

Exports from Manufacturing

Establishments: 2001

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GENERAL DESCRIPTION

This report, "Exports from Manufacturing Establishments," includes estimates for the value of manufactured exports and related employment. Export estimates include both "direct" exports (exports manufactured in the United States (U.S.) and consumed in foreign markets) and "indirect" exports (intermediate goods and services required to manufacture exported goods). The report includes estimates for state and national totals for direct and indirect exports and related employment for the manufacturing sector. For manufactured goods, the report includes state estimates for each 3-digit North American Industry Classification System (NAICS) subsector (e.g., NAICS 311, "Food"). In addition, indirect employment associated with manufactured exports is provided for each major economic sector. The data in this report also include estimates of employment associated with transporting manufactured goods for export from the plant of manufacture to the port of export.

It should be emphasized that the employment estimates in this report relate only to the export of manufactured goods. Direct exports of nonmanufactured goods (e.g., unprocessed minerals or agricultural items) and services are excluded from this report, as are any indirect effects associated with exporting nonmanufactured goods and services. Therefore, these export estimates do not measure the full employment effect of all U.S. exports.

GENERAL METHODOLOGY

The estimates in this report rely upon 3 major information sources: (1) the U.S. Census Bureau's 2001 Annual Survey of Manufactures (ASM); (2) detailed data from the Census Bureau's 2001 edition of U.S. International Trade in Goods and Services; and (3) the Bureau of Economic Analysis' Input-Output (I/O) Accounts of the U.S. Economy for 1992. To provide a means for using these different sources on a comparable basis required substantial manipulations and conversions. For example, each of these sources uses a different classification scheme (NAICS for the economic census, manufacturing sector, the harmonized system for the exports of merchandise, and the SIC for I/O accounts). The I/O accounts originate from 1992 data. Thus, a host of conversions and adjustments were used. The user should bear in mind that each of these conversions and adjustments is imperfect, and a potential source of error in the figures presented in this report.

A short description of the methodology is as follows: Exports as reported by manufacturers on the 2001 ASM were allocated to the industry and state of that manufacturer. These export totals then were compared to the U.S. International Trade in Goods and Services, as reported by exporting firms. Because many manufacturers do not know whether or not their products are exported, the export data from the 2001 ASM were adjusted to the totals from the U.S. International Trade in Goods and Services, with differences allocated to industries and states. These data then represented the "direct" exports of manufactured goods, by industry

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and by state. Employment-to-shipment ratios from the 2001 ASM were used to estimate employment for each state-industry combination, resulting in employment attributable to direct exports.

Deriving indirect exports required use of the I/O accounts. This data source provides a means to estimate resources needed to produce a unit of output. Feeding the direct exports estimated above into this model yields estimates for the resources (both goods and services) required to produce these exports. These data became the "indirect" exports required to support direct exports. Again, employment-to-shipment ratios were used to compute employment for the manufacturing industries. For nonmanufacturing industries, a different I/O table was used to estimate employment in these industries.

A more thorough description of the methodology used to construct these estimates is included below.

RELATIONSHIP TO CENSUS BUREAU'S SERIES ON ORIGIN OF MOVEMENT OF U.S. EXPORTS BY STATE

Each month the Census Bureau issues a report on the Origin of Movement of U.S. Exports of Goods by State. The data in this series include both manufactured and nonmanufactured products exports. Data are shown for the state where the merchandise began its export journey as reported by the exporter on the export declaration document filed with the U.S. Department of Commerce at the port of export. This series provides data based on the "origin" of the commodity movement into international trade. That "origin" may be the location of the manufacturer, a warehouse, an intermediary who has arranged the sale, an assembly or packaging point, or the port of export. Thus the origin of movement data differ from the estimates in this publication, which solely reflect the physical location of the manufacturer.

HISTORICAL INFORMATION

This report began in 1960 and measured initially only direct exports and direct export-related employment. In 1976, the program was expanded to encompass analytically-derived estimates for supporting exports and related employment. Earlier published results from this program are available for 1960, 1963, 1966, 1969, 1971, 1972, 1976, 1977, 1980, 1981, 1983-1991, and 1997. Users should bear in mind, though, that methodological changes can affect the comparability of these data when making year-to-year comparisons. This caveat is particularly true with respect to the 1997, 2000 and 2001 reports and how it relates to previously published years.

DETAILED DESCRIPTION OF CENSUS METHODS AND ESTIMATING PROCEDURES FOR 2001

The sections that follow describe the methodology used to develop estimates of the 2001 employment effects of manufactured exports at the national level and by state.

Derivation of Direct Export-Related Employment

Manufacturers reporting in the 1997 Economic Census and the 2001 ASM were requested to:

Report the value of products shipped for exports. Include direct exports and products shipped to exporters or other wholesalers for export. Also include the value of products sold to the U.S. Government to be shipped to foreign governments. Do not include products shipped for further manufacture, assembly, or fabrication in the United States.

Such directly reported exports understate the true value of all exports because many respondents do not know the final destination of the products produced in their plants. This includes cases where the export transaction is actually arranged by an independent exporting firm (e.g., a wholesaler) or where shipments of the products are made from company-operated warehouses or other distribution points which do not allocate or report the export sales back to individual producing establishments.

Estimated value of exports. In order to provide a more accurate measure of the overall importance of exports industrially and geographically, directly reported values from the ASM have been adjusted to include estimates for the unreported exports, including exports of manufactured products by wholesalers, retailers, etc.

The values for total U.S. exports of manufactured products are from official export data compiled by the Foreign Trade Division of the Census Bureau based on Shippers' Export Declarations. Re-exports are excluded from the figures because only domestically manufactured exports are relevant to estimation of export-related employment.

Merchandise exports were collected and compiled in accordance with the commodity classifications in *Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported From the United States*. These classifications were rearranged into an export product nomenclature related to the origin of production called the North American Industry Classification System (NAICS). Export data for Puerto Rico and the U.S. Virgin Islands were subtracted from the file. This was done because these areas are not included in the ASM; hence, their removal from the data was necessary to accurately estimate the effects of exports on the domestic economy. By the same token, exports from the United States to these territories were added to the merchandise export data. These adjustments were performed by the Foreign Trade Division.

Merchandise export data are collected on an individual commodity transaction basis, while export data in the ASM are collected on the basis of all commodities exported by the industry. To put the two sets of data on the same basis, the merchandise export data from the Foreign Trade Division were converted to an industry basis using the 1997 Economic Census data on the distribution of product shipments by industry.

Export data are collected at the port of export on a *free alongside ship (f.a.s.)* basis, and thus include freight and wholesale margins. To make the export data comparable with data collected in the ASM, the margins were subtracted to derive a *freight on board (f.o.b.) plant* value. Six-digit input/output (I/O) commodity margin rates from the 1992 benchmark I/O tables were converted to industry margin rates and then applied to the merchandise exports on an industry basis to derive the f.o.b. plant value of exports by industry.

Survey-based estimates of direct exports at the industry x state level were derived by adjusting the directly reported exports data from the ASM for nonresponse, over/under sampling, and undercoverage. Next, differences between the national totals of export shipments obtained from the Foreign Trade Division's data and national totals of survey-based estimates were allocated to the individual states. At the state level, the differences were added to the survey-based estimates to arrive at state-by-state estimates of the total f.o.b. value of exports by manufacturing establishments. Details of the allocation and estimation methods are provided below.

Allocation of unreported value of exports. Differences between the national totals of survey-based estimates and the national export estimates f.o.b. plant were allocated to states on a four-digit NAICS level. The estimating procedure assumes that export shipments not reported by manufacturing establishments are directly related to the geographic distribution of the total value of shipments of the industry and export shipments as reported for each state on the economic census. Specifically, the following formula was used to allocate the national difference for each industry to each state.

$$(N - S) \left[\left(\frac{S}{N} \right) \left(\frac{E_s}{S_n} \right) + \left(1 - \frac{S}{N} \right) \left(\frac{TVS_s}{TVS_n} \right) \right] \quad \text{where,}$$

N is the national export estimate for this industry,

S is the national total of survey-based estimates for this industry,

E_s is the 1997 Economic Census directly reported exports for this industry in this state,

S_n is the 1997 Economic Census national value of directly reported exports for this industry,

TVS_n is the 1997 Economic Census national total value of shipments for this industry, and

TVS_s is the 1997 Economic Census total value of shipments for this industry in this state.

This formula results in the proportion of the total value of industry shipments accounted for by this state being weighted more heavily when the difference between survey-based estimate and the national export estimate increases. When the difference between survey-based and national estimates decreases (or vanishes), the proportion of survey-based exports accounted for by the state is weighted more heavily. There are no measures available regarding the possible range of error associated with this estimating technique.

Estimating direct export-related employment. Employment related to direct exports is not collected in the ASM. However, the total value of shipments, as well as total employment, are estimated for each industry in each state. Using these data from the ASM, employment related to direct exports was calculated by multiplying the total employment of each industry in each state by the ratio of the estimated total f.o.b. value of exports for that industry in that state to total shipments for that industry in that state. As with the estimates of exports, there are no measures available regarding the possible range of error associated with this estimating technique.

Indirect Requirements Supporting Manufactured Exports

The previous section described how estimates of the f.o.b. plant value of exported manufactured goods were made, were converted to numbers of employees, and how both the value and employment were allocated by state. This section describes how the indirect inputs to these exports were estimated and allocated by state.

Definition of indirect requirements. Indirect requirements refer to all of the inputs purchased by the manufacturing establishments to produce the product being exported and the requirements of these suppliers, etc. As an example, the export value of chemicals in 2001 amounted to \$61.8 billion as goods left the manufacturing plant. To produce the \$61.8 billion of chemicals, it was necessary for these plants to purchase petroleum and coal products from other plants, various other materials, containers for shipping, electrical energy from utility firms, oil and lubricants for maintenance, a variety of business and professional services, etc.

Producers of the various inputs and services which were sold to chemical producers also had to purchase inputs and various services from farms, mines, factories, utilities, transportation firms, etc. These secondary suppliers, in turn, had to purchase inputs from their suppliers. At the aggregate level, this lengthy chain of transactions leading to the production of chemicals is referred to as the indirect requirements for chemicals (or for any other final products). Total indirect requirements are derived by applying regional I/O domestic total requirements tables developed by the Bureau of Economic Analysis (BEA) to the products for which a solution is sought.

Estimating domestic indirect requirements for manufactured exports. At the state level, the domestic indirect requirements for manufactured exports were estimated by using the f.o.b. plant values of exports which were derived above, together with tables of regional domestic total requirements multipliers supplied by the Regional Economic Analysis Division of the BEA. Indirect requirements at the national level were calculated using BEA's national table. These tables were derived from the 1992 I/O tables and exclude requirements from outside the region covered by the table. Hence, the national table excludes requirements from foreign sources and each state table excludes requirements from sources outside the state.

Estimates of domestic (national and state) output required for the value of manufactured exports were derived using the following seven-step procedure (only the first six steps are used for national estimates):

1. Exports by detailed NAICS manufacturing industry were converted to an SIC basis.
2. The SIC-based industry estimates were deflated to 1992 prices using 2001 industry price indexes supplied by the Industry Economics Division of the BEA (see text box).
3. The deflated exports were multiplied by the regional total requirements multipliers to obtain domestic (or state) output required (in 1992 prices).
4. Indirect domestic output required was derived as regional output less exports.
5. Regional output was reflated to current-year prices using the industry price indexes.
6. The detailed SIC-based indirect requirements were converted to NAICS manufacturing industry requirements.
7. The difference between the sum of state indirect manufacturing requirements and the national manufacturing requirements was allocated to states.

Information technology price indexes: Rapid changes in the relative prices of IT goods are causing difficulties in applying the methodology discussed here. The use of historical I/O multipliers requires an assumption that I/O relationships are stable. Large changes in relative prices are associated with changes in input/output relationships. Large changes in relative prices of IT goods have occurred in recent years. If changes in prices of IT related goods are accounted for during estimation when associated changes in I/O relationships are not, unreasonable results occur. When 2001 price indexes were used, unreasonable changes from 1997 to 2001 were observed in certain estimates. Holding computer, communications and electronic components price indexes fixed at their 1997 level produces more meaningful period-to-period comparisons. When more recent I/O multipliers become available, this decision will be revisited.

Indirect requirements of manufacturing industries by state. State requirements were calculated in two phases. In the first phase, intrastate manufactured requirements were calculated for each state using state indirect requirements tables. These tables were derived from the 1992 I/O tables and exclude requirements from outside each state. The estimate of intrastate output required for the value of manufactured exports was derived using same first six steps of the seven-step procedure used for the national estimates.

The intrastate requirement from an industry is the value of shipments from this industry used as inputs to this and other industries during the production of exports or inputs to the production of exports.

In the second phase, the difference between the sum of the state requirements and the national requirements from each manufacturing industry was allocated to states. This difference is the inter-state requirement from each industry. The inter-state requirement from each industry is the value of shipments from this industry that are shipped across state lines for use by this and other industries in the production of exports or inputs to the production of exports.

The national total inter-state requirement from each manufacturing industry was allocated to states on the basis of the distribution of total shipments by that industry across states from the 2001 ASM. For example, the 2001 ASM indicates that 4 percent of the value of all shipments of the Fabric Mills industry (NAICS 313) in the U.S. in 2001 occurred in New York State (\$249 million out of a U.S. total of \$6.5 billion). Therefore, 4 percent of the national inter-state requirement from the Fabric Mills industry was allocated to New York State.

There were a few cases where this allocation procedure resulted in the sum of estimated exports from an industry and indirect requirements from that industry in a state exceeding the total value of shipments from that industry in that state. In these few cases, the inter-state requirement from that industry allocated to that state was reduced and the amount of the reduction was allocated to other states on the basis of their shares of total shipments from the remaining states. In all these cases, when the relevant four-digit NAICS industries were summed to the three-digit level, total shipments always exceeded the combined export and indirect requirements values. This occurred because of the influence of the vast majority of four-digit categories where total shipments were greater than the sum of exports and indirect requirements. Consequently, for all three-digit NAICS industries in the 50 states and the District of Columbia for which information was provided, total shipments exceeded the combined export and indirect requirements values.

When the total value of indirect requirements from each manufacturing industry in each state was determined, employment associated with those values was calculated. The ratio of total employment to total value of shipments for each manufacturing industry in each state was calculated using figures from the ASM. Next, the value of total indirect requirements from each industry in each state was multiplied by the ratio of employment to value of shipments for that industry in that state to obtain an estimate of the total employment associated with providing those indirect requirements. Total indirect manufacturing employment in each state was obtained by summing the employment in each manufacturing industry.

Employment associated with indirect requirements of nonmanufacturing industries. The employment in nonmanufacturing industries associated with providing indirect requirements for the production of manufactured exports or of inputs used to produce manufactured exports was estimated by using regional total requirements employment multipliers supplied by BEA and the direct export estimates discussed above. These employment multipliers for a given industry in a region, show the number of full- and part-time jobs that regional industries provide, both directly and indirectly, in order for the given industry to deliver \$1 million of output to final demand. Estimates of employment associated with indirect requirements were obtained in three steps.

1. Exports by detailed NAICS manufacturing industry were converted to an SIC basis.
2. The SIC-based industry estimates were deflated to 1992 prices using 2001 industry price indexes supplied by the Industry Economics Division of the BEA (see text box above).
3. The deflated exports were multiplied by the regional employment requirements multipliers to obtain export-related employment in nonmanufacturing industries providing inputs to either the production of final goods for export, or the production of other inputs necessary for the manufacture of exports.

As was done for indirect requirements of manufacturing industries, these calculations were made at the national level with national exports and national multipliers, and for each state with exports from that state and multipliers for that state. The use of both national-level and state-level multipliers resulted in a difference between the sum of the state employment for each industry and national employment for that industry. Utilizing national export-related employment as the control total for each industry, this difference was allocated proportionally across the states using the initial state export employment

data for each industry. On an unadjusted basis, if a state accounted for 10 percent of the export employment, it received 10 percent of the adjustment.

Estimating export-related employment for auxiliaries. Under the NAICS, establishments at manufacturers' auxiliaries are classified in nonmanufacturing industries. Under the SIC these establishments are classified in manufacturing industries. Since export-related employment in manufacturing industries was calculated using employment-to-shipments ratios for NAICS manufacturing industries, employment at the auxiliary establishments is not included in those results. By the same token, since indirect-requirements-related employment in nonmanufacturing industries was calculated using employment multipliers for SIC industries, employment at these establishments is not included in those results (this anomaly will be eliminated when BEA's regional multipliers are revised to NAICS-based industries).

As a result of the preceding, it was necessary to calculate indirect-requirement-related employment at manufacturers' auxiliaries separately and add that result to the estimates of Business Services employment (these auxiliaries are included in Business Services under NAICS). For 2001, estimation of indirect-requirements-related employment at manufacturer's auxiliaries began with an estimate of employment at manufacturer's auxiliaries in 2001. This estimate was based on the relationship between this employment and total U.S. employment in County Business Patterns (CBP) data in 1997 and total U.S. employment in CBP data in 2001. Total employment at manufacturer's auxiliaries was distributed to states on the basis of the distribution of this employment across states in 1997. Then, the percent of export related manufacturer's auxiliaries employment in each state was applied to obtain export related employment in 2001. Resulting estimates were summed within each state, and were then added to the previously calculated estimates of each state's Business Services employment related to providing indirect requirements to export manufacturing.

Plant-to-port indirect requirements employment. The port value of manufactured exports in 2001 was approximately \$591 billion, and it was estimated that the f.o.b. plant value of these goods was \$521 billion. The difference of \$70 billion represents transportation costs of moving these goods (mainly to seaports but also to airports and rail or truck border crossing points) and the margin, or markup of exporters, which is a component of wholesale trade. Using a long-established 80 percent/20 percent guideline, \$56 billion of the \$70 billion difference was allocated to wholesale trade and the remaining \$14 billion was allocated to transportation.

Data from BEA on "gross domestic product by industry" were used to calculate ratios of full- and part-time employees (employment) to gross domestic product by industry for "Transportation" and for "Wholesale Trade." The amount allocated to each industry was multiplied by that industry's ratio to obtain an estimate of employment related to plant-to-port indirect requirements of that industry. These national totals were allocated to states using the distribution of employment across states for transportation and for wholesale trade in the County Business Patterns data. The estimate of transportation employment was added to the previously calculated value of indirect-requirements-related employment of "Transportation, communications, and utilities." The estimate of wholesale trade employment was added to the previously calculated value of indirect-requirements-related employment of "Trade."

Adjustment for productivity change. Productivity changes in manufacturing industries are accounted for in these calculations by the use of current-year (2001) ratios of employment to shipments. To account for productivity changes for indirect nonmanufacturing employment, International Trade Administration (ITA) adjustment factors were used in estimating employment related to manufactured exports for nonmanufacturing industries.

Questions regarding the above methodology should be e-mailed directly to John.H.Gates@census.gov.

Table 1. Employment Related to Manufactured Exports by Major Economic Sector for States: 2001

State	Employment related to manufactured exports							Civilian employment	Private sector employment	Manufactured export employment as a percent of	
	Total	Manufacturing employment 1/	Non-manufacturing employment 2/	Business	Transportation	Trade	Other 3/			Civilian employment 4/	Private sector employment 5/
United States.....	7,408.7	3,251.7	4,157.0	733.3	634.1	1,116.1	1,673.5	134,697.3	113,478.5	5.5	6.5
Alabama.....	107.8	46.4	61.4	7.8	10.4	17.2	26.0	1,948.7	1,596.7	5.5	6.8
Alaska.....	5.4	1.5	3.9	0.2	1.5	0.8	1.4	292.3	213.4	1.8	2.5
Arizona.....	118.8	47.5	71.3	13.3	11.1	15.9	31.0	2,325.0	1,947.2	5.1	6.1
Arkansas.....	72.9	29.8	43.1	3.8	7.0	8.7	23.6	1,192.7	999.0	6.1	7.3
California.....	1,083.9	471.1	612.8	113.3	76.2	175.4	247.9	15,051.9	12,669.9	7.2	8.6
Colorado.....	98.1	34.1	64.0	9.9	8.3	17.2	28.6	2,269.4	1,925.3	4.3	5.1
Connecticut.....	92.6	55.2	37.4	10.5	4.9	11.2	10.8	1,702.1	1,457.7	5.4	6.4
Delaware.....	12.9	3.7	9.2	4.6	0.9	2.5	1.2	427.4	370.5	3.0	3.5
District of Columbia.....	1.3	(W)	1.2	0.3	0.3	0.6	(W)	655.7	429.6	(W)	(W)
Florida.....	150.8	58.8	92.0	13.5	17.3	35.4	25.8	7,345.7	6,322.3	2.1	2.4
Georgia.....	180.8	72.6	108.2	20.9	18.2	30.6	38.5	4,011.2	3,400.9	4.5	5.3
Hawaii.....	5.2	1.3	3.9	0.2	1.5	1.9	0.3	573.0	458.5	0.9	1.1
Idaho.....	53.8	15.6	38.2	5.8	4.2	10.3	17.9	609.7	499.6	8.8	10.8
Illinois.....	329.5	151.2	178.3	33.6	31.1	50.3	63.3	6,091.2	5,240.8	5.4	6.3
Indiana.....	238.9	120.3	118.6	16.1	21.1	29.3	52.1	3,004.4	2,594.4	8.0	9.2
Iowa.....	103.4	41.0	62.4	5.9	8.3	14.1	34.1	1,545.6	1,300.4	6.7	8.0
Kansas.....	74.4	26.1	48.3	4.2	5.0	9.5	29.6	1,395.7	1,147.6	5.3	6.5
Kentucky.....	116.1	49.5	66.6	8.8	12.1	18.5	27.2	1,864.0	1,553.3	6.2	7.5
Louisiana.....	79.7	22.1	57.6	5.8	11.6	13.4	26.8	1,952.5	1,578.8	4.1	5.0
Maine.....	24.9	11.6	13.3	1.7	2.2	3.6	5.8	620.1	518.1	4.0	4.8
Maryland.....	55.8	24.3	31.5	6.4	5.3	12.6	7.2	2,505.3	2,053.0	2.2	2.7
Massachusetts.....	184.1	98.0	86.1	18.6	11.2	26.4	29.9	3,361.0	2,930.9	5.5	6.3
Michigan.....	377.4	190.1	187.3	47.5	26.9	45.4	67.5	4,647.9	3,961.6	8.1	9.5
Minnesota.....	155.1	68.4	86.7	19.0	11.3	23.7	32.7	2,795.3	2,395.2	5.5	6.5
Mississippi.....	46.7	19.5	27.2	2.2	4.4	6.0	14.6	1,154.9	917.4	4.0	5.1
Missouri.....	129.9	56.3	73.6	11.3	12.5	21.3	28.5	2,800.4	2,375.7	4.6	5.5
Montana.....	4.7	1.3	3.4	0.2	0.8	1.6	0.8	421.7	337.6	1.1	1.4
Nebraska.....	57.0	15.4	41.6	3.4	4.2	7.5	26.5	976.2	819.4	5.8	7.0
Nevada.....	14.2	6.4	7.8	0.7	2.3	3.5	1.3	1,065.4	938.6	1.3	1.5
New Hampshire.....	37.5	20.1	17.4	3.4	2.3	4.8	6.9	637.2	551.4	5.9	6.8
New Jersey.....	158.7	64.2	94.5	27.7	15.9	31.9	19.0	4,030.1	3,427.5	3.9	4.6
New Mexico.....	53.3	7.6	45.7	9.3	5.1	7.3	24.0	777.2	591.7	6.9	9.0
New York.....	280.5	139.5	141.0	28.6	24.5	52.9	35.0	8,686.7	7,218.9	3.2	3.9
North Carolina.....	283.8	139.6	144.2	25.0	22.2	39.0	58.0	3,989.2	3,365.7	7.1	8.4
North Dakota.....	7.3	1.9	5.4	0.4	0.9	2.1	2.0	357.7	284.3	2.0	2.6
Ohio.....	428.2	215.2	213.0	42.3	36.0	55.6	79.1	5,631.6	4,837.6	7.6	8.9
Oklahoma.....	60.8	27.0	33.8	3.7	5.3	9.5	15.3	1,557.8	1,264.4	3.9	4.8
Oregon.....	142.5	49.7	92.8	16.9	11.4	21.8	42.7	1,664.6	1,394.6	8.6	10.2
Pennsylvania.....	266.2	133.2	133.0	29.0	25.4	37.1	41.5	5,783.5	5,055.2	4.6	5.3
Rhode Island.....	19.7	12.3	7.4	1.5	1.0	2.6	2.3	483.4	418.2	4.1	4.7
South Carolina.....	160.3	80.0	80.3	11.3	13.7	18.1	37.2	1,846.4	1,523.6	8.7	10.5
South Dakota.....	28.7	6.8	21.9	2.3	2.2	8.4	9.0	414.4	341.4	6.9	8.4
Tennessee.....	153.0	77.2	75.8	10.2	15.0	23.1	27.5	2,731.3	2,328.1	5.6	6.6
Texas.....	649.5	215.7	433.8	71.8	64.6	96.4	201.0	9,806.4	8,220.2	6.6	7.9
Utah.....	53.9	22.9	31.0	4.3	5.2	8.5	13.0	1,107.3	917.2	4.9	5.9
Vermont.....	48.8	17.6	31.2	5.3	3.5	5.7	16.7	313.1	262.9	15.6	18.6
Virginia.....	130.6	57.0	73.6	11.9	12.7	18.2	30.8	3,580.5	2,951.3	3.6	4.4
Washington.....	265.1	126.8	138.3	23.3	18.9	31.9	64.2	2,777.0	2,271.6	9.5	11.7
West Virginia.....	23.6	11.5	12.1	1.1	2.7	3.2	5.1	745.2	604.2	3.2	3.9
Wisconsin.....	178.6	86.5	92.1	14.3	13.0	22.9	41.9	2,908.9	2,495.2	6.1	7.2
Wyoming.....	2.2	0.4	1.8	0.2	0.5	0.7	0.4	261.4	199.9	0.8	1.1

(W) Withheld because estimate did not meet publication standards based on a consistency review.

1/Manufacturing employment is computed using 2001 Annual Survey of Manufactures estimates for shipments and employment, and state-based input-output tables from the Bureau of Economic Analysis.

2/Nonmanufacturing employment is computed based upon state-based input-output tables from the Bureau of Economic Analysis.

3/"Other" employment related to manufactured exports include estimates for forestry, agriculture, and business services.

4/Civilian employment represents state data from the "State and Area Employment, Hours, and Earnings" series from the Bureau of Labor Statistics, plus the difference between the total civilian labor force employment and the sum of the private nonagricultural wage and salary workers from the Bureau of Labor Statistics' series "Geographic Profile of Employment and Unemployment, 2001" (Bulletin 2550).

5/Private sector employment represents the figure for civilian employment (see footnote 3) less the total number of government workers from the Bureau of Labor Statistics' "State and Area Employment, Hours, and Earnings" series.

Note: Export-related employment data shown do not include jobs involved in the exports of nonmanufactured goods, such as farm products, minerals, and services sold to foreign buyers. Indirect exports exclude imported items. Detail may not add to totals because of independent rounding.

Table 2: Manufacturing Industries, Shipments and Employment Related to Manufactured Exports for States: 2001

State	Value of all manufacturers' shipments (million dollars)	All manufacturing employment 1/ (thousands)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousands)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousands)	Total export related shipments (million dollars)	Total export related manufacturing employment (thousands)	Export related as percent of all manufacturers		Total nonmanufacturing supporting employment (thousands)	Total of all employment related to manufactured exports (thousands)
									Shipments	Employment		
United States.....	3,970,499.8	15,879.5	521,386.6	1,983.6	284,802.6	1,268.1	806,189.2	3,251.7	20.3	20.5	4,157.0	7,408.7
Alabama.....	67,172.0	315.1	7,555.2	25.9	4,896.4	20.5	12,451.6	46.4	18.5	14.7	61.4	107.8
Alaska.....	3,986.7	12.6	523.2	1.3	76.1	0.2	599.3	1.5	15.0	11.9	3.9	5.4
Arizona.....	42,168.1	186.4	7,949.4	30.5	3,268.7	17.0	11,218.1	47.5	26.6	25.5	71.3	118.8
Arkansas.....	46,530.3	227.0	5,161.4	20.5	2,259.6	9.3	7,421.0	29.8	15.9	13.1	43.1	72.9
California.....	414,761.8	1,792.2	70,320.0	275.0	40,277.4	196.1	110,597.4	471.1	26.7	26.3	612.8	1,083.9
Colorado.....	35,626.9	163.1	4,902.0	22.6	2,210.6	11.5	7,112.6	34.1	20.0	20.9	64.0	98.1
Connecticut.....	47,055.2	229.8	7,604.3	34.7	3,906.2	20.5	11,510.5	55.2	24.5	24.0	37.4	92.6
Delaware.....	16,664.3	38.0	805.6	2.7	325.7	1.0	1,131.3	3.7	6.8	9.7	9.2	12.9
District of Columbia.....	178.0	1.8	0.4	(W)	0.1	(W)	0.5	(W)	0.3	(W)	1.2	(W)
Florida.....	76,541.5	401.3	9,208.5	46.1	2,352.0	12.7	11,560.5	58.8	15.1	14.7	92.0	150.8
Georgia.....	127,624.2	484.0	14,424.2	46.4	5,963.0	26.2	20,387.2	72.6	16.0	15.0	108.2	180.8
Hawaii.....	3,196.4	14.4	173.6	1.2	23.7	0.1	197.3	1.3	6.2	9.0	3.9	5.2
Idaho.....	15,075.6	63.9	3,106.8	10.4	933.4	5.2	4,040.2	15.6	26.8	24.4	38.2	53.8
Illinois.....	196,449.4	811.3	23,193.1	89.1	14,142.5	62.1	37,335.6	151.2	19.0	18.6	178.3	329.5
Indiana.....	154,264.3	597.7	17,757.7	63.2	13,309.2	57.1	31,066.9	120.3	20.1	20.1	118.6	238.9
Iowa.....	65,427.6	235.9	7,267.5	26.2	3,355.2	14.8	10,622.7	41.0	16.2	17.4	62.4	103.4
Kansas.....	53,031.4	193.8	5,270.3	19.0	1,716.2	7.1	6,986.5	26.1	13.2	13.5	48.3	74.4
Kentucky.....	84,180.3	276.3	8,534.7	24.4	6,432.4	25.1	14,967.1	49.5	17.8	17.9	66.6	116.1
Louisiana.....	85,487.7	156.9	7,874.5	14.9	3,816.7	7.2	11,691.2	22.1	13.7	14.1	57.6	79.7
Maine.....	15,065.9	77.7	1,921.6	8.5	578.2	3.1	2,499.8	11.6	16.6	14.9	13.3	24.9
Maryland.....	36,038.2	162.4	4,013.7	19.3	934.4	5.0	4,948.1	24.3	13.7	15.0	31.5	55.8
Massachusetts.....	79,850.8	376.7	14,002.8	62.0	6,717.8	36.0	20,720.6	98.0	25.9	26.0	86.1	184.1
Michigan.....	209,002.7	749.5	27,411.7	97.8	20,287.9	92.3	47,699.6	190.1	22.8	25.4	187.3	377.4
Minnesota.....	82,303.6	376.7	8,246.1	42.3	4,547.8	26.1	12,793.9	68.4	15.5	18.2	86.7	155.1
Mississippi.....	38,559.9	197.8	3,164.0	13.6	1,586.2	5.9	4,750.2	19.5	12.3	9.9	27.2	46.7
Missouri.....	89,682.3	346.6	9,134.3	33.4	4,352.0	22.9	13,486.3	56.3	15.0	16.2	73.6	129.9
Montana.....	5,422.7	20.4	395.2	1.1	47.2	0.2	442.4	1.3	8.2	6.4	3.4	4.7
Nebraska.....	31,133.3	105.0	3,242.2	10.7	1,338.8	4.7	4,581.0	15.4	14.7	14.7	41.6	57.0
Nevada.....	7,581.1	40.4	996.3	5.7	123.5	0.7	1,119.8	6.4	14.8	15.8	7.8	14.2
New Hampshire.....	16,974.8	96.7	2,560.4	13.3	1,095.4	6.8	3,655.8	20.1	21.5	20.8	17.4	37.5
New Jersey.....	98,230.5	379.5	10,629.6	42.4	5,303.7	21.8	15,933.3	64.2	16.2	16.9	94.5	158.7
New Mexico.....	11,463.7	32.7	2,615.0	5.1	752.7	2.5	3,367.7	7.6	29.4	23.2	45.7	53.3
New York.....	146,454.6	707.2	21,128.9	97.7	8,196.2	41.8	29,325.1	139.5	20.0	19.7	141.0	280.5
North Carolina.....	167,124.2	693.7	17,608.5	86.4	11,059.1	53.2	28,667.6	139.6	17.2	20.1	144.2	283.8
North Dakota.....	6,517.1	23.4	598.3	1.6	67.8	0.3	666.1	1.9	10.2	8.1	5.4	7.3
Ohio.....	241,901.9	923.5	29,775.0	112.4	23,438.6	102.8	53,213.6	215.2	22.0	23.3	213.0	428.2
Oklahoma.....	40,062.5	161.7	4,401.7	18.3	1,698.6	8.7	6,100.3	27.0	15.2	16.7	33.8	60.8
Oregon.....	43,270.8	199.2	8,115.0	31.5	3,901.1	18.2	12,016.1	49.7	27.8	24.9	92.8	142.5
Pennsylvania.....	178,613.0	768.7	17,620.2	80.0	12,046.9	53.2	29,667.1	133.2	16.6	17.3	133.0	266.2
Rhode Island.....	10,958.3	70.0	1,357.9	8.5	567.2	3.8	1,925.1	12.3	17.6	17.6	7.4	19.7
South Carolina.....	78,737.8	312.4	11,990.9	44.4	8,055.1	35.6	20,046.0	80.0	25.5	25.6	80.3	160.3
South Dakota.....	11,093.5	39.6	1,401.7	3.6	790.1	3.2	2,191.8	6.8	19.8	17.2	21.9	28.7
Tennessee.....	104,108.5	441.4	10,729.2	45.3	6,674.7	31.9	17,403.9	77.2	16.7	17.5	75.8	153.0
Texas.....	321,361.2	950.4	42,644.8	132.2	26,799.2	83.5	69,444.0	215.7	21.6	22.7	433.8	649.5
Utah.....	25,907.8	121.8	3,297.2	15.0	1,502.8	7.9	4,800.0	22.9	18.5	18.8	31.0	53.9
Vermont.....	8,925.9	45.8	3,057.1	12.3	991.2	5.3	4,048.3	17.6	45.4	38.4	31.2	48.8
Virginia.....	92,874.2	327.4	10,098.2	38.8	3,972.8	18.2	14,071.0	57.0	15.2	17.4	73.6	130.6
Washington.....	89,279.6	309.2	33,426.9	86.5	10,693.8	40.3	44,120.7	126.8	49.4	41.0	138.3	265.1
West Virginia.....	16,201.1	67.7	2,100.4	8.5	925.8	3.0	3,026.2	11.5	18.7	17.0	12.1	23.6
Wisconsin.....	126,541.7	544.3	11,910.4	51.2	6,445.7	35.3	18,356.1	86.5	14.5	15.9	92.1	178.6
Wyoming.....	3,834.9	9.0	159.2	0.3	45.2	0.1	204.4	0.4	5.3	4.4	1.8	2.2

(W) Withheld because estimate did not meet publication standards based on a consistency review.

1/Source: 2001 Annual Survey of Manufactures.

2/Source: 2001 Foreign Trade Statistics (Census Bureau unpublished data).

Note: Detail may not add to totals because of independent rounding.

Table 3. Manufacturing Industries, Export Related Statistics for Industries: 2001

NAICS industry code	Industry title	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipment (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
311	Total, all industries.....	3,970,499.8	15,879.5	521,386.6	1,983.6	284,802.6	1,268.1	806,189.2	3,251.7	20.3	20.5
311	Food.....	451,385.9	1,504.7	23,747.4	68.6	8,058.7	21.8	31,806.1	90.5	7.0	6.0
312	Beverage and tobacco products.....	118,785.6	177.5	3,864.8	4.0	489.8	0.9	4,354.7	4.9	3.7	2.8
313	Textile mills.....	45,680.7	293.9	6,504.2	44.3	6,163.5	41.4	12,667.7	85.6	27.7	29.1
314	Textile products.....	31,970.6	209.7	1,854.8	12.9	692.9	6.0	2,547.7	18.9	8.0	9.0
315	Apparel.....	54,598.3	456.5	5,606.8	49.1	963.5	8.6	6,570.3	57.7	12.0	12.6
316	Leather and allied products.....	8,834.4	61.7	1,996.1	12.1	523.9	2.6	2,519.9	14.7	28.5	23.8
321	Wood products.....	87,250.0	555.9	3,193.6	18.7	3,534.3	22.4	6,727.9	41.1	7.7	7.4
322	Paper.....	155,846.0	530.2	12,301.2	38.7	14,982.9	51.5	27,284.1	90.2	17.5	17.0
323	Printing and related support activities.....	100,792.2	799.2	4,610.9	37.0	6,066.3	49.1	10,677.3	86.1	10.6	10.8
324	Petroleum and coal products.....	219,074.8	101.5	7,724.1	3.4	9,777.9	5.0	17,502.0	8.5	8.0	8.4
325	Chemicals.....	438,410.2	875.0	61,741.4	121.7	47,407.0	103.4	109,148.4	225.1	24.9	25.7
326	Plastics and rubber products.....	170,716.8	1,028.1	13,037.6	78.2	16,339.7	100.4	29,377.3	178.6	17.2	17.4
327	Nonmetallic mineral products.....	94,860.6	507.3	6,305.1	34.4	5,144.0	29.4	11,449.2	63.8	12.1	12.6
331	Primary metals.....	138,245.4	532.8	16,235.9	52.7	40,470.5	157.1	56,706.4	209.8	41.0	39.4
332	Fabricated metal products.....	253,113.4	1,724.7	17,015.7	106.1	36,241.7	277.7	53,257.4	383.8	21.0	22.3
333	Machinery.....	266,552.9	1,314.7	62,782.9	301.2	13,046.8	71.3	75,829.6	372.5	28.4	28.3
334	Computers and electronic products.....	429,470.8	1,598.8	116,925.2	445.5	38,259.2	164.9	155,184.4	610.4	36.1	38.2
335	Electrical equipment, appliances, and components.....	114,067.0	556.6	19,136.6	94.4	9,719.1	52.4	28,855.7	146.8	25.3	26.4
336	Transportation equipment.....	602,495.9	1,717.6	117,751.1	337.7	24,007.5	80.9	141,758.6	418.6	23.5	24.4
337	Furniture and related products.....	72,147.1	608.0	2,236.2	18.9	632.9	5.7	2,869.1	24.6	4.0	4.0
339	Miscellaneous products.....	116,201.1	725.1	16,814.9	104.0	2,280.5	15.6	19,095.4	119.7	16.4	16.5

1/Source: 2001 Annual Survey of Manufactures.

2/Source: 2001 Foreign Trade Statistics (Census Bureau unpublished data).

Note: Detail may not add to totals because of independent rounding.

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
	Total, all industries.....	3,970,499.8	15,879.5	521,386.6	1,983.6	284,802.6	1,268.1	806,189.2	3,251.7	20.3	20.5
	ALABAMA.....	67,172.0	315.1	7,555.2	25.9	4,896.4	20.5	12,451.6	46.4	18.5	14.7
311	Food.....	6,995.8	38.1	319.1	1.7	107.9	0.4	427.0	2.1	6.1	5.5
312	Beverage and tobacco products.....	801.1	2.3	5.1	(Z)	3.3	(Z)	8.4	(Z)	1.0	(Z)
313	Textile mills.....	2,545.1	17.3	187.3	1.5	257.0	1.8	444.3	3.3	17.5	19.1
314	Textile products.....	1,500.8	8.4	77.1	0.5	49.9	0.3	127.0	0.8	8.5	9.5
315	Apparel.....	1,999.7	23.5	114.6	1.4	29.4	0.3	144.0	1.7	7.2	7.2
321	Wood products.....	4,158.1	24.7	158.4	0.8	136.2	0.7	294.6	1.6	7.1	6.5
322	Paper.....	5,640.7	12.7	408.7	0.9	216.5	0.6	625.2	1.4	11.1	11.0
323	Printing and related support activities.....	643.1	6.1	14.8	0.1	57.5	0.5	72.3	0.7	11.2	11.5
324	Petroleum and coal products.....	2,194.5	2.1	29.3	(Z)	61.3	0.1	90.6	0.1	4.1	4.8
325	Chemicals.....	6,249.0	13.4	1,176.0	2.3	1,148.2	2.4	2,324.2	4.8	37.2	35.8
326	Plastics and rubber products.....	3,178.6	20.2	257.5	1.6	283.2	1.8	540.7	3.4	17.0	16.8
327	Nonmetallic mineral products.....	1,926.6	9.7	76.3	0.5	72.5	0.4	148.8	0.8	7.7	8.2
331	Primary metals.....	4,657.2	18.2	590.0	1.9	864.8	3.1	1,454.8	5.0	31.2	27.5
332	Fabricated metal products.....	4,228.2	29.6	225.4	1.4	412.4	3.1	637.8	4.5	15.1	15.2
333	Machinery.....	2,796.7	16.6	289.4	1.5	145.3	0.8	434.7	2.3	15.5	13.9
334	Computers and electronic products.....	4,485.5	15.0	898.2	2.5	325.1	1.2	1,223.3	3.7	27.3	24.7
335	Electrical equipment, appliances, and components.....	1,942.1	7.2	206.5	0.8	72.3	0.3	278.8	1.1	14.4	15.3
336	Transportation equipment.....	8,286.0	26.8	2,377.9	5.2	618.3	2.4	2,996.2	7.6	36.2	28.4
337	Furniture and related products.....	1,969.8	15.5	56.5	0.5	11.5	0.1	68.0	0.6	3.5	3.9
339	Miscellaneous products.....	958.6	7.6	85.5	0.7	23.5	0.2	109.0	0.9	11.4	11.8
	ALASKA.....	3,986.7	12.6	523.2	1.3	76.1	0.2	599.3	1.5	15.0	11.9
311	Food.....	1,551.6	8.6	150.2	0.8	23.6	0.1	173.9	1.0	11.2	11.6
	ARIZONA.....	42,168.1	186.4	7,949.4	30.5	3,268.7	17.0	11,218.1	47.5	26.6	25.5
311	Food.....	2,595.7	8.3	43.4	0.1	13.1	0.1	56.5	0.2	2.2	2.4
312	Beverage and tobacco products.....	985.7	1.6	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
314	Textile products.....	87.6	1.4	4.8	(Z)	2.0	(Z)	6.8	(Z)	7.8	(Z)
315	Apparel.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
321	Wood products.....	790.2	7.3	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
322	Paper.....	730.1	2.9	29.2	0.1	43.4	0.1	72.5	0.3	9.9	10.3
323	Printing and related support activities.....	704.6	7.5	33.5	0.4	65.9	0.7	99.4	1.1	14.1	14.7
325	Chemicals.....	2,021.2	6.9	49.1	0.2	84.9	0.5	134.0	0.7	6.6	10.1
326	Plastics and rubber products.....	1,283.7	8.8	47.2	0.3	133.9	0.9	181.1	1.2	14.1	13.6
327	Nonmetallic mineral products.....	1,296.2	7.1	27.2	0.2	22.1	0.2	49.3	0.4	3.8	5.6
331	Primary metals.....	1,120.5	5.5	362.3	1.4	447.0	2.5	809.3	3.9	72.2	70.9
332	Fabricated metal products.....	3,175.7	21.8	531.2	2.2	506.6	4.7	1,037.7	6.9	32.7	31.7
333	Machinery.....	1,609.0	10.0	272.1	1.7	80.4	0.6	352.5	2.3	21.9	23.0
334	Computers and electronic products.....	13,041.6	40.1	3,003.6	10.1	802.4	2.7	3,806.0	12.8	29.2	31.9
335	Electrical equipment, appliances, and components.....	724.2	3.9	70.7	0.5	116.2	0.6	186.9	1.0	25.8	25.6
336	Transportation equipment.....	9,040.6	31.5	3,155.6	11.3	904.7	2.9	4,060.3	14.2	44.9	45.1
337	Furniture and related products.....	1,026.6	9.2	4.4	(Z)	6.5	0.1	11.0	0.1	1.1	1.1
339	Miscellaneous products.....	1,603.9	11.1	303.6	2.0	20.9	0.2	324.5	2.1	20.2	18.9
	ARKANSAS.....	46,530.3	227.0	5,161.4	20.5	2,259.6	9.3	7,421.0	29.8	15.9	13.1
311	Food.....	10,838.1	53.8	759.7	3.5	259.8	0.8	1,019.5	4.4	9.4	8.2
313	Textile mills.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
314	Textile products.....	163.0	1.7	11.8	0.1	7.1	0.1	18.9	0.2	11.6	11.8
315	Apparel.....	386.6	5.9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
316	Leather and allied products.....	133.7	2.3	7.6	0.1	0.2	(Z)	7.8	0.1	5.8	4.3
321	Wood products.....	2,641.1	14.6	142.2	0.6	84.0	0.5	226.2	1.1	8.6	7.5
322	Paper.....	4,255.7	12.9	281.0	0.8	196.9	0.6	477.9	1.3	11.2	10.1
323	Printing and related support activities.....	583.9	4.9	14.1	0.1	30.7	0.3	44.8	0.4	7.7	8.2
324	Petroleum and coal products.....	1,341.8	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
325	Chemicals.....	2,300.8	6.7	431.9	1.1	430.1	1.1	862.0	2.2	37.5	32.8
326	Plastics and rubber products.....	2,720.0	15.4	126.3	0.7	151.4	0.9	277.7	1.6	10.2	10.4
327	Nonmetallic mineral products.....	795.2	4.7	15.0	0.1	37.1	0.2	52.1	0.3	6.6	6.4
331	Primary metals.....	3,164.0	8.5	321.4	0.8	409.5	1.3	730.9	2.1	23.1	24.7
332	Fabricated metal products.....	3,367.8	21.0	455.7	3.0	191.9	1.4	647.6	4.3	19.2	20.5
333	Machinery.....	2,943.6	18.3	371.5	2.5	81.5	0.6	453.0	3.2	15.4	17.5
334	Computers and electronic products.....	1,197.8	3.6	186.5	0.5	45.7	0.2	232.2	0.8	19.4	22.2
335	Electrical equipment, appliances, and components.....	3,005.2	14.9	423.3	2.0	80.2	0.4	503.5	2.4	16.8	16.1
336	Transportation equipment.....	3,739.5	17.4	513.4	2.1	82.9	0.4	596.3	2.4	15.9	13.8
337	Furniture and related products.....	1,038.6	10.5	38.5	0.4	21.7	0.2	60.2	0.6	5.8	5.7
339	Miscellaneous products.....	1,044.2	7.9	111.7	0.8	14.1	0.1	125.9	0.9	12.1	11.4
	CALIFORNIA.....	414,761.8	1,792.2	70,320.0	275.0	40,277.4	196.1	110,597.3	471.1	26.7	26.3
311	Food.....	43,829.3	155.0	2,573.0	8.8	743.3	2.5	3,316.3	11.2	7.6	7.2
312	Beverage and tobacco products.....	13,240.1	30.6	535.8	1.2	76.8	0.2	612.6	1.4	4.6	4.6
313	Textile mills.....	1,752.1	13.1	115.0	0.9	174.5	1.4	289.5	2.2	16.5	16.8
314	Textile products.....	2,061.8	19.4	118.4	1.3	46.5	0.6	164.8	1.8	8.0	9.3
315	Apparel.....	12,866.8	106.2	1,112.4	9.3	211.8	1.8	1,324.2	11.1	10.3	10.5
316	Leather and allied products.....	465.4	5.6	96.5	1.1	8.9	0.1	105.4	1.2	22.6	21.4
321	Wood products.....	6,220.0	42.5	161.6	1.1	362.5	2.3	524.1	3.4	8.4	8.0

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
CALIFORNIA (Continued)											
322	Paper.....	8,963.0	33.1	810.7	3.2	1,429.4	5.1	2,240.2	8.3	25.0	25.1
323	Printing and related support activities.....	9,860.4	82.6	699.5	5.9	1,169.4	9.8	1,868.9	15.7	19.0	19.0
324	Petroleum and coal products.....	24,759.9	12.8	484.0	0.2	1,693.2	0.9	2,177.2	1.1	8.8	8.6
325	Chemicals.....	25,694.0	72.9	2,673.6	7.1	2,365.4	6.7	5,039.0	13.9	19.6	19.1
326	Plastics and rubber products.....	13,697.9	93.7	1,492.5	10.2	1,998.4	13.6	3,490.9	23.8	25.5	25.4
327	Nonmetallic mineral products.....	9,272.2	47.4	194.6	1.3	585.8	3.6	780.4	4.8	8.4	10.1
331	Primary metals.....	5,260.2	23.1	536.2	2.1	1,972.2	9.2	2,508.5	11.3	47.7	48.9
332	Fabricated metal products.....	26,018.5	194.5	1,635.6	11.1	6,350.9	53.4	7,986.5	64.6	30.7	33.2
333	Machinery.....	19,088.3	103.1	6,111.3	32.1	989.3	5.9	7,100.6	38.0	37.2	36.9
334	Computers and electronic products.....	122,152.2	395.3	38,769.3	119.5	15,730.5	56.2	54,499.8	175.8	44.6	44.5
335	Electrical equipment, appliances, and components.....	8,107.4	45.0	1,941.6	10.1	2,123.4	11.8	4,065.0	21.8	50.1	48.4
336	Transportation equipment.....	34,003.1	131.9	6,061.9	23.0	1,740.4	7.3	7,802.3	30.3	22.9	23.0
337	Furniture and related products.....	8,008.6	70.2	152.7	1.4	104.6	1.1	257.3	2.5	3.2	3.6
339	Miscellaneous products.....	19,440.4	114.3	4,043.9	24.0	400.0	2.7	4,443.9	26.7	22.9	23.4
COLORADO.....		35,626.9	163.1	4,902.0	22.6	2,210.6	11.5	7,112.7	34.1	20.0	20.9
311	Food.....	5,476.2	16.0	541.4	1.2	166.9	0.4	708.3	1.5	12.9	9.4
312	Beverage and tobacco products.....	2,437.9	8.0	2.0	(Z)	5.9	(Z)	7.8	(Z)	0.3	(Z)
314	Textile products.....	448.0	2.4	54.4	0.3	2.0	(Z)	56.3	0.3	12.6	12.5
315	Apparel.....	112.2	1.7	12.5	0.2	1.1	(Z)	13.6	0.2	12.1	11.8
316	Leather and allied products.....	658.4	1.1	111.4	0.2	1.4	(Z)	112.8	0.2	17.1	18.2
321	Wood products.....	709.7	5.6	1.8	(Z)	13.8	0.1	15.7	0.1	2.2	1.8
322	Paper.....	522.5	2.6	15.8	0.1	51.2	0.3	67.0	0.3	12.8	11.5
323	Printing and related support activities.....	1,499.5	11.1	56.2	0.4	72.1	0.5	128.3	1.0	8.6	9.0
325	Chemicals.....	2,714.6	7.2	107.4	0.3	140.6	0.5	247.9	0.9	9.1	12.5
326	Plastics and rubber products.....	907.4	5.6	37.3	0.2	73.2	0.4	110.5	0.7	12.2	12.5
327	Nonmetallic mineral products.....	1,659.1	9.1	78.0	0.6	22.0	0.1	100.0	0.7	6.0	7.7
331	Primary metals.....	546.1	2.3	50.5	0.1	113.7	0.5	164.2	0.6	30.1	26.1
332	Fabricated metal products.....	2,303.6	16.8	135.2	1.0	249.1	2.2	384.3	3.1	16.7	18.5
333	Machinery.....	1,681.6	10.4	487.8	3.1	77.3	0.5	565.1	3.5	33.6	33.7
334	Computers and electronic products.....	7,628.2	35.6	2,526.1	10.9	1,072.5	5.2	3,598.6	16.1	47.2	45.2
335	Electrical equipment, appliances, and components.....	322.8	2.1	88.0	0.5	43.2	0.3	131.2	0.8	40.6	38.1
336	Transportation equipment.....	3,052.0	10.9	375.8	1.9	40.4	0.2	416.2	2.0	13.6	18.3
337	Furniture and related products.....	517.8	5.4	46.1	0.5	2.2	(Z)	48.2	0.6	9.3	11.1
339	Miscellaneous products.....	1,374.7	7.9	169.3	1.1	20.0	0.1	189.3	1.2	13.8	15.2
CONNECTICUT.....		47,055.2	229.8	7,604.3	34.7	3,906.2	20.5	11,510.5	55.2	24.5	24.0
311	Food.....	2,219.8	7.9	46.2	0.2	6.5	(Z)	52.7	0.2	2.4	2.5
313	Textile mills.....	430	2.5	109.3	0.8	21.6	0.1	131	1.0	30.5	40.0
314	Textile products.....	153.1	1.5	13.3	0.1	2.5	(Z)	15.8	0.1	10.3	6.7
315	Apparel.....	203.6	1.6	35.8	0.3	3.8	(Z)	39.6	0.3	19.4	18.8
321	Wood products.....	121.4	1.5	0.3	(Z)	7.1	0.1	7.4	0.1	6.1	6.7
322	Paper.....	1,869.9	6.6	104.8	0.5	226.0	0.7	330.9	1.2	17.7	18.2
323	Printing and related support activities.....	1,383.3	11.6	50.8	0.4	68.0	0.6	118.8	1.0	8.6	8.6
325	Chemicals.....	5,614.4	19.5	393.2	1.3	430.6	1.1	823.8	2.4	14.7	12.3
326	Plastics and rubber products.....	1,576.8	10.5	179.9	1.2	227.8	1.5	407.6	2.8	25.8	26.7
327	Nonmetallic mineral products.....	696.1	3.2	22.1	0.1	37.6	0.2	59.7	0.3	8.6	9.4
331	Primary metals.....	1,287.8	5.8	204.2	0.8	542.1	2.6	746.3	3.4	58.0	58.6
332	Fabricated metal products.....	5,250.5	38.0	442.9	3.0	690.9	5.3	1,133.7	8.3	21.6	21.8
333	Machinery.....	4,848.9	22.1	1,024.2	4.9	218.1	1.5	1,242.3	6.4	25.6	29.0
334	Computers and electronic products.....	4,045.4	22.4	492.5	2.9	355.4	2.2	847.9	5.1	21.0	22.8
335	Electrical equipment, appliances, and components.....	2,158.8	13.4	476.5	2.8	175.8	1.1	652.3	3.9	30.2	29.1
336	Transportation equipment.....	10,675.2	43.6	3,326.9	13.0	836.8	3.1	4,163.6	16.1	39.0	36.9
337	Furniture and related products.....	307.8	2.7	4.7	(Z)	3.2	(Z)	7.9	0.1	2.6	3.7
339	Miscellaneous products.....	3,695.5	14.3	657.2	2.3	47.4	0.2	704.6	2.5	19.1	17.5
DELAWARE.....		16,664.3	38.0	805.6	2.7	325.7	1.0	1,131.3	3.7	6.8	9.7
311	Food.....	1,771.0	8.6	24.8	0.2	4.0	(Z)	28.8	0.2	1.6	2.3
321	Wood products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
322	Paper.....	653.6	2.3	19.8	0.1	12.1	(Z)	31.8	0.1	4.9	4.3
323	Printing and related support activities.....	80.4	1.0	1.6	(Z)	2.4	(Z)	4.0	(Z)	5.0	(Z)
325	Chemicals.....	5,643.7	6.2	428.8	0.9	214.8	0.5	643.6	1.5	11.4	24.2
326	Plastics and rubber products.....	515.7	2.4	111.8	0.5	30.4	0.1	142.2	0.6	27.6	25.0
332	Fabricated metal products.....	407.9	2.9	24.9	0.2	8.3	0.1	33.2	0.3	8.1	10.3
333	Machinery.....	135.2	0.9	18.5	0.1	2.7	(Z)	21.2	0.1	15.7	11.1
334	Computers and electronic products.....	140.0	0.4	15.1	0.1	0.8	(Z)	15.8	0.1	11.3	25.0
336	Transportation equipment.....	4,097.3	5.2	72.2	0.1	2.9	(Z)	75.1	0.1	1.8	1.9
339	Miscellaneous products.....	232.4	1.7	31.1	0.2	1.8	(Z)	32.8	0.2	14.1	11.8
DISTRICT OF COLUMBIA.....		178.0	1.8	0.4	(W)	0.1	(W)	0.5	(W)	0.3	(W)
323	Printing and related support activities.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
	FLORIDA.....	76,541.5	401.3	9,208.5	46.1	2,352.0	12.7	11,560.5	58.9	15.1	14.7
311	Food.....	10,916.0	35.7	387.8	1.0	56.5	0.2	444.3	1.2	4.1	3.4
312	Beverage and tobacco products.....	3,532.4	8.6	56.5	0.1	8.2	(Z)	64.7	0.2	1.8	2.3
313	Textile mills.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
314	Textile products.....	627.4	7.9	53.3	0.7	7.5	0.1	60.7	0.8	9.7	10.1
315	Apparel.....	1,343.8	11.9	96.7	0.9	12.0	0.1	108.7	1.0	8.1	8.4
316	Leather and allied products.....	194.8	2.4	35.2	0.4	3.0	(Z)	38.2	0.4	19.6	16.7
321	Wood products.....	2,335.4	14.7	24.0	0.1	35.0	0.2	59.0	0.3	2.5	2.0
322	Paper.....	3,669.5	11.9	406.7	1.1	172.7	0.5	579.4	1.6	15.8	13.4
323	Printing and related support activities.....	2,684.0	27.6	117.8	1.2	77.8	0.8	195.5	2.0	7.3	7.2
324	Petroleum and coal products.....	381.6	1.0	3.6	(Z)	5.6	(Z)	9.2	(Z)	2.4	(Z)
325	Chemicals.....	6,690.4	18.0	1,298.1	2.8	414.7	0.9	1,712.7	3.7	25.6	20.6
326	Plastics and rubber products.....	2,735.8	20.5	88.4	0.7	141.9	1.1	230.3	1.7	8.4	8.3
327	Nonmetallic mineral products.....	4,097.0	20.2	56.1	0.3	39.0	0.2	95.2	0.5	2.3	2.5
331	Primary metals.....	912.5	4.1	70.0	0.3	105.2	0.5	175.1	0.8	19.2	19.5
332	Fabricated metal products.....	4,882.1	36.2	230.0	1.7	275.9	2.5	505.9	4.2	10.4	11.6
333	Machinery.....	4,163.3	25.2	807.9	5.4	62.4	0.4	870.4	5.8	20.9	23.0
334	Computers and electronic products.....	14,212.2	64.6	2,846.3	13.6	595.6	3.3	3,441.9	16.9	24.2	26.2
335	Electrical equipment, appliances, and components.....	1,489.7	10.5	335.5	2.3	74.2	0.5	409.7	2.8	27.5	26.7
336	Transportation equipment.....	5,068.8	29.4	1,231.6	6.3	199.8	0.8	1,431.4	7.1	28.2	24.1
337	Furniture and related products.....	1,798.2	18.1	66.9	0.7	6.5	0.1	73.4	0.8	4.1	4.4
339	Miscellaneous products.....	4,704.1	32.3	969.9	6.2	40.3	0.3	1,010.2	6.5	21.5	20.1
	GEORGIA.....	127,624.2	484.0	14,424.2	46.4	5,963.0	26.2	20,387.2	72.6	16.0	15.0
311	Food.....	16,687.2	59.1	565.5	2.4	222.3	0.7	787.9	3.0	4.7	5.1
312	Beverage and tobacco products.....	7,973.3	6.6	1,010.4	0.6	25.5	(Z)	1,035.9	0.6	13.0	9.1
313	Textile mills.....	5,672.8	40.8	834.5	6.0	894.7	6.5	1,729.2	12.5	30.5	30.6
314	Textile products.....	11,237.0	45.4	570.9	2.4	79.0	0.5	649.9	2.9	5.8	6.4
315	Apparel.....	1,347.4	8.2	219.5	1.3	48.9	0.4	268.3	1.7	19.9	20.7
321	Wood products.....	4,728.3	27.0	72.0	0.3	194.3	1.0	266.4	1.3	5.6	4.8
322	Paper.....	9,527.4	25.1	1,379.3	3.0	793.6	2.0	2,172.9	5.1	22.8	20.3
323	Printing and related support activities.....	2,792.9	21.4	138.2	1.1	189.7	1.5	327.9	2.5	11.7	11.7
324	Petroleum and coal products.....	901.5	1.1	4.5	(Z)	18.7	(Z)	23.2	(Z)	2.6	(Z)
325	Chemicals.....	11,311.6	22.8	2,317.6	4.4	1,197.0	2.8	3,514.6	7.2	31.1	31.6
326	Plastics and rubber products.....	5,708.0	30.0	295.4	1.5	439.6	2.4	735.0	3.9	12.9	13.0
327	Nonmetallic mineral products.....	3,727.6	19.7	335.8	1.6	130.4	0.7	466.2	2.3	12.5	11.7
331	Primary metals.....	1,850.4	6.5	127.4	0.2	490.9	1.5	618.3	1.6	33.4	24.6
332	Fabricated metal products.....	5,244.9	33.7	212.5	1.3	279.4	2.1	491.9	3.4	9.4	10.1
333	Machinery.....	6,047.6	26.9	1,217.9	5.8	166.3	0.9	1,384.2	6.6	22.9	24.5
334	Computers and electronic products.....	3,226.9	13.5	810.9	2.9	151.6	0.7	962.5	3.6	29.8	26.7
335	Electrical equipment, appliances, and components.....	7,299.4	22.9	1,083.0	3.3	201.6	0.6	1,284.6	4.0	17.6	17.5
336	Transportation equipment.....	17,683.4	43.6	2,920.3	6.6	387.9	1.5	3,308.2	8.1	18.7	18.6
337	Furniture and related products.....	1,862.0	14.0	20.5	0.2	9.9	0.1	30.4	0.2	1.6	1.4
339	Miscellaneous products.....	2,757.3	15.4	286.7	1.7	41.3	0.3	327.9	1.9	11.9	12.3
	HAWAII.....	3,196.4	14.4	173.6	1.2	23.7	0.1	197.3	1.4	6.2	9.7
311	Food.....	819.1	5.3	28.0	0.2	6.8	(Z)	34.8	0.2	4.2	3.8
315	Apparel.....	70.7	1.3	30.6	0.6	1.7	(Z)	32.4	0.6	45.8	46.2
323	Printing and related support activities.....	151.1	1.5	15.8	0.2	1.8	(Z)	17.6	0.2	11.6	13.3
324	Petroleum and coal products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
339	Miscellaneous products.....	78.7	1.5	4.8	0.1	0.1	(Z)	4.8	0.1	6.1	6.7
	IDAHO.....	15,075.6	63.9	3,106.8	10.4	933.4	5.2	4,040.1	15.6	26.8	24.4
311	Food.....	4,669.4	15.3	207.1	0.6	72.0	0.3	279.1	0.9	6.0	5.9
321	Wood products.....	1,360.7	7.7	11.5	0.1	35.5	0.2	47.0	0.3	3.5	3.9
322	Paper.....	669.6	1.9	87.2	0.3	91.1	0.3	178.3	0.5	26.6	26.3
323	Printing and related support activities.....	243.5	2.7	4.5	(Z)	40.5	0.4	45.0	0.5	18.5	18.5
325	Chemicals.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
326	Plastics and rubber products.....	189.3	1.9	9.5	0.1	36.0	0.4	45.5	0.5	24.0	26.3
327	Nonmetallic mineral products.....	154.2	0.9	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
332	Fabricated metal products.....	394.8	4.4	19.8	0.2	93.5	1.3	113.2	1.5	28.7	34.1
333	Machinery.....	478.7	2.6	58.6	0.3	20.2	0.2	78.7	0.5	16.4	19.2
334	Computers and electronic products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
336	Transportation equipment.....	271.9	2.0	10.7	0.1	1.9	(Z)	12.6	0.1	4.6	5.0
337	Furniture and related products.....	299.9	3.3	1	(Z)	2.4	(Z)	3.4	(Z)	1.1	(Z)
339	Miscellaneous products.....	123.4	1.5	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
	ILLINOIS.....	196,449.4	811.3	23,193.1	89.1	14,142.5	62.1	37,335.6	151.1	19.0	18.6
311	Food.....	29,325.5	87.4	2,275.1	4.4	694.7	1.2	2,969.8	5.6	10.1	6.4
312	Beverage and tobacco products.....	2,410.9	6.4	27.3	(Z)	9.9	(Z)	37.2	(Z)	1.5	(Z)
313	Textile mills.....	168.8	0.9	11.5	0.1	25.0	0.1	36.5	0.2	21.6	22.2
314	Textile products.....	485.0	4.7	30.3	0.3	10.7	0.1	41.0	0.4	8.5	8.5
315	Apparel.....	690.9	7.4	102.4	0.9	8.7	0.1	111.1	1.1	16.1	14.9
316	Leather and allied products.....	258.5	2.3	54.7	0.5	3.5	(Z)	58.2	0.5	22.5	21.7
321	Wood products.....	1,242.8	8.7	51.2	0.4	50.1	0.4	101.3	0.7	8.2	8.0

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
ILLINOIS (Continued)											
322	Paper.....	5,196.5	24.9	207.0	1.0	488.1	2.4	695.0	3.4	13.4	13.7
323	Printing and related support activities.....	7,991.5	55.8	292.6	2.0	351.1	2.4	643.7	4.5	8.1	8.1
324	Petroleum and coal products.....	13,708.5	5.5	365.1	0.1	743.3	0.3	1,108.3	0.4	8.1	7.3
325	Chemicals.....	22,967.9	56.9	4,421.5	11.6	2,585.1	5.2	7,006.6	16.9	30.5	29.7
326	Plastics and rubber products.....	12,648.5	68.3	836.3	4.5	910.2	4.8	1,746.5	9.3	13.8	13.6
327	Nonmetallic mineral products.....	3,375.5	18.6	110.1	0.7	223.9	1.4	334.0	2.1	9.9	11.3
331	Primary metals.....	7,427.1	32.0	593.1	2.3	3,082.9	13.4	3,676.0	15.7	49.5	49.1
332	Fabricated metal products.....	18,415.5	121.1	949.5	6.0	1,994.9	13.5	2,944.4	19.5	16.0	16.1
333	Machinery.....	23,249.9	99.2	5,896.3	22.3	1,198.5	5.4	7,094.8	27.7	30.5	27.9
334	Computers and electronic products.....	13,936.9	58.2	2,339.3	9.5	611.2	4.5	2,950.4	14.0	21.2	24.1
335	Electrical equipment, appliances, and components.....	7,737.8	46.8	1,128.2	6.8	527.8	3.3	1,656.1	10.1	21.4	21.6
336	Transportation equipment.....	17,061.1	52.6	2,626.8	9.9	442.1	2.2	3,069.0	12.1	18.0	23.0
337	Furniture and related products.....	2,816.0	20.1	115.6	0.8	42.3	0.3	157.9	1.1	5.6	5.5
339	Miscellaneous products.....	5,334.0	33.4	759.2	4.8	138.7	0.9	897.9	5.6	16.8	16.8
INDIANA.....		154,264.3	597.7	17,757.7	63.2	13,309.2	57.1	31,066.9	120.3	20.1	20.1
311	Food.....	11,594.3	32.7	548.5	1.6	251.6	0.6	800.0	2.2	6.9	6.7
312	Beverage and tobacco products.....	1,663.4	4.8	0.9	(Z)	11.5	(Z)	12.4	(Z)	0.7	(Z)
314	Textile products.....	433.1	3.2	17.4	0.1	36.9	0.2	54.3	0.3	12.5	9.4
315	Apparel.....	332.3	2.2	13.4	0.1	8.9	0.1	22.3	0.2	6.7	9.1
316	Leather and allied products.....	48.9	0.6	12.6	0.1	3.5	(Z)	16.1	0.2	32.9	33.3
321	Wood products.....	2,932.1	20.2	146.5	1.1	141.6	1.1	288.1	2.2	9.8	10.9
322	Paper.....	2,977.5	12.7	131.4	0.6	371.0	1.6	502.4	2.1	16.9	16.5
323	Printing and related support activities.....	2,513.3	19.5	85.7	0.7	209.2	1.6	294.9	2.3	11.7	11.8
324	Petroleum and coal products.....	5,769.8	3.5	93.1	0.1	414.4	0.3	507.5	0.3	8.8	8.6
325	Chemicals.....	15,918.8	21.5	2,324.1	2.9	1,579.5	2.6	3,903.6	5.4	24.5	25.1
326	Plastics and rubber products.....	8,037.6	55.0	674.7	4.6	710.5	4.9	1,385.2	9.5	17.2	17.3
327	Nonmetallic mineral products.....	3,462.8	18.3	186.3	1.1	273.5	1.6	459.7	2.7	13.3	14.8
331	Primary metals.....	17,799.1	57.0	1,322.0	3.5	3,902.0	12.7	5,224.0	16.2	29.3	28.4
332	Fabricated metal products.....	11,086.5	67.5	513.3	3.1	1,954.4	13.1	2,467.7	16.1	22.3	23.9
333	Machinery.....	11,291.4	44.2	2,129.4	7.1	797.5	3.8	2,927.0	10.8	25.9	24.4
334	Computers and electronic products.....	4,603.2	23.0	659.4	2.5	421.5	2.3	1,080.9	4.8	23.5	20.9
335	Electrical equipment, appliances, and components.....	3,166.0	17.7	560.8	3.1	490.5	3.0	1,051.3	6.2	33.2	35.0
336	Transportation equipment.....	41,556.6	144.3	7,687.9	27.8	1,524.4	6.1	9,212.3	34.0	22.2	23.6
337	Furniture and related products.....	3,456.8	24.7	121.9	0.8	73.2	0.5	195.0	1.3	5.6	5.3
339	Miscellaneous products.....	5,583.8	24.6	526.5	2.2	104.2	0.7	630.7	3.0	11.3	12.2
IOWA.....		65,427.6	235.9	7,267.5	26.2	3,355.2	14.8	10,622.7	41.0	16.2	17.4
311	Food.....	22,635.2	50.1	1,727.6	3.6	673.0	1.3	2,400.6	4.9	10.6	9.8
312	Beverage and tobacco products.....	474.5	0.9	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
314	Textile products.....	205.5	1.5	5.0	(Z)	1.7	(Z)	6.8	(Z)	3.3	(Z)
315	Apparel.....	171.7	3.0	30.2	0.6	4.3	0.1	34.6	0.7	20.2	23.3
321	Wood products.....	1,554.2	12.3	21.3	0.2	17.8	0.2	39.1	0.4	2.5	3.3
322	Paper.....	1,286.9	4.4	31.0	0.1	145.7	0.5	176.8	0.6	13.7	13.6
323	Printing and related support activities.....	1,272.2	10.2	41.7	0.3	85.4	0.7	127.1	1.0	10.0	9.8
325	Chemicals.....	6,442.0	6.2	483.4	0.7	371.8	0.4	855.1	1.0	13.3	16.1
326	Plastics and rubber products.....	2,325.5	15.5	163.6	1.1	294.3	2.0	457.9	3.0	19.7	19.4
327	Nonmetallic mineral products.....	1,663.8	7.4	6.2	(Z)	26.4	0.1	32.6	0.1	2.0	1.4
331	Primary metals.....	2,279.5	8.8	231.7	0.6	489.2	2.4	721.0	3.1	31.6	35.2
332	Fabricated metal products.....	3,367.0	22.7	264.6	1.9	536.7	3.9	801.3	5.9	23.8	26.0
333	Machinery.....	9,878.8	34.1	2,331.1	7.6	435.7	1.8	2,766.8	9.4	28.0	27.6
334	Computers and electronic products.....	2,871.7	12.2	847.4	3.6	52.5	0.4	900.0	4.0	31.3	32.8
335	Electrical equipment, appliances, and components.....	3,387.4	13.7	490.9	2.1	94.7	0.4	585.6	2.4	17.3	17.5
336	Transportation equipment.....	3,464.5	18.6	375.3	2.1	77.7	0.4	453.0	2.5	13.1	13.4
337	Furniture and related products.....	1,271.2	8.0	11.5	0.1	3.0	(Z)	14.4	0.1	1.1	1.3
339	Miscellaneous products.....	678	5.4	181.1	1.4	23.4	0.2	204.5	1.6	30.2	29.6
KANSAS.....		53,031.4	193.8	5,270.3	19.0	1,716.2	7.1	6,986.4	26.1	13.2	13.5
311	Food.....	13,459.7	31.8	1,466.3	3.0	418.7	0.8	1,885.0	3.8	14.0	11.9
314	Textile products.....	98.6	0.7	3.7	(Z)	2.7	(Z)	6.4	0.1	6.5	14.3
315	Apparel.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
321	Wood products.....	292.1	2.5	2.9	(Z)	6.3	0.1	9.2	0.1	3.1	4.0
322	Paper.....	608.4	3.2	20.8	0.1	79.2	0.4	100.0	0.5	16.4	15.6
323	Printing and related support activities.....	1,869.9	13.5	50.1	0.4	42.5	0.3	92.5	0.7	4.9	5.2
324	Petroleum and coal products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
325	Chemicals.....	2,863.8	5.9	230.1	0.4	188.7	0.4	418.9	0.8	14.6	13.6
326	Plastics and rubber products.....	1,936.1	11.5	126.2	0.8	139.0	0.8	265.2	1.6	13.7	13.9
327	Nonmetallic mineral products.....	1,140.2	6.2	71.4	0.4	35.4	0.2	106.9	0.7	9.4	11.3
331	Primary metals.....	243.5	1.7	7.0	0.1	54.3	0.4	61.3	0.5	25.2	29.4
332	Fabricated metal products.....	2,033.8	14.9	107.1	0.9	134.4	1.2	241.4	2.1	11.9	14.1
333	Machinery.....	3,794.6	21.9	418.9	2.5	94.5	0.6	513.3	3.1	13.5	14.2
334	Computers and electronic products.....	1,118.3	6.2	342.7	1.7	52.2	0.3	394.8	2.0	35.3	32.3
335	Electrical equipment, appliances, and components.....	1,044.5	4.5	131.9	0.6	50.2	0.3	182.1	0.9	17.4	20.0
336	Transportation equipment.....	16,669.5	55.2	2,201.7	7.7	284.9	1.2	2,486.6	8.9	14.9	16.1
337	Furniture and related products.....	512.6	4.9	1.9	(Z)	1.5	(Z)	3.5	(Z)	0.7	(Z)
339	Miscellaneous products.....	620.9	4.6	23.2	0.2	8.7	0.1	31.9	0.3	5.1	6.5

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
	KENTUCKY.....	84,180.3	276.3	8,534.7	24.4	6,432.4	25.1	14,967.2	49.5	17.8	17.9
311	Food.....	6,143.3	21.8	300.6	0.7	107.9	0.3	408.5	0.9	6.6	4.1
312	Beverage and tobacco products.....	1,876.3	4.6	95.7	0.2	9.1 (Z)	0.3	104.8	0.3	5.6	6.5
313	Textile mills.....	201.7	1.6	23.1	0.2	32.0	0.2	55.2	0.4	27.4	25.0
314	Textile products.....	649.7	4.9	47.3	0.3	24.6	0.2	71.9	0.5	11.1	10.2
315	Apparel.....	1,070.0	11.5	110.3	1.1	26.6	0.3	137.0	1.3	12.8	11.3
316	Leather and allied products.....	76.4	0.6	33.3	0.1	3.3 (Z)	0.1	36.5	0.1	47.8	16.7
321	Wood products.....	1,361.9	11.8	31.9	0.3	67.0	0.6	99.0	0.8	7.3	6.8
322	Paper.....	4,079.3	11.0	115.5	0.3	243.4	0.6	358.9	1.0	8.8	9.1
323	Printing and related support activities.....	1,788.2	15.9	61.5	0.5	95.8	0.8	157.3	1.4	8.8	8.8
324	Petroleum and coal products.....	3,111.8	1.3	26.6 (Z)	0.1	293.6	0.1	320.2	0.1	10.3	7.7
325	Chemicals.....	6,594.8	12.8	1,250.1	2.3	1,307.3	2.6	2,557.4	4.9	38.8	38.3
326	Plastics and rubber products.....	3,685.3	21.0	220.9	1.3	471.0	2.7	691.9	4.0	18.8	19.0
327	Nonmetallic mineral products.....	1,727.2	10.3	331.8	1.6	175.3	1.0	507.1	2.6	29.4	25.2
331	Primary metals.....	4,736.0	14.2	446.8	1.0	1,181.4	3.5	1,628.2	4.6	34.4	32.4
332	Fabricated metal products.....	4,709.7	26.0	240.1	1.3	570.7	3.3	810.9	4.5	17.2	17.3
333	Machinery.....	4,005.5	22.1	761.5	4.1	292.1	1.6	1,053.6	5.7	26.3	25.8
334	Computers and electronic products.....	3,087.5	9.3	1,132.2	2.3	231.2	2.0	1,363.3	4.3	44.2	46.2
335	Electrical equipment, appliances, and components.....	3,273.0	13.2	453.5	1.8	278.7	1.2	732.1	3.0	22.4	22.7
336	Transportation equipment.....	30,490.5	49.6	2,745.5	4.1	965.6	3.6	3,711.1	7.6	12.2	15.3
337	Furniture and related products.....	595.5	5.4	7.5	0.1	15.6	0.1	23.1	0.2	3.9	3.7
339	Miscellaneous products.....	916.6	7.3	99.0	0.8	40.1	0.3	139.1	1.2	15.2	16.4
	LOUISIANA.....	85,487.7	156.9	7,874.5	14.9	3,816.7	7.2	11,691.2	22.1	13.7	14.1
311	Food.....	4,634.2	17.8	532.1	1.1	71.6	0.2	603.7	1.3	13.0	7.3
312	Beverage and tobacco products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
314	Textile products.....	73.7	0.9	3.7 (Z)	0.4	3.4 (Z)	0.2	7.0	0.1	9.5	11.1
315	Apparel.....	382.9	4.8	44.4	0.7	5.8	0.1	50.1	0.8	13.1	16.7
321	Wood products.....	1,695.6	9.4	28.2	0.1	66.4	0.4	94.6	0.5	5.6	5.3
322	Paper.....	4,441.9	10.1	504.0	1.0	176.3	0.5	680.2	1.5	15.3	14.9
323	Printing and related support activities.....	205.0	2.4	14.3	0.2	19.1	0.2	33.4	0.4	16.3	16.7
324	Petroleum and coal products.....	32,658.8	9.1	1,124.2	0.3	622.5	0.2	1,746.6	0.5	5.3	5.5
325	Chemicals.....	27,722.2	26.7	4,283.5	4.0	2,359.3	2.3	6,642.8	6.3	24.0	23.6
326	Plastics and rubber products.....	792.5	4.9	82.8	0.5	88.9	0.6	171.7	1.0	21.7	20.4
327	Nonmetallic mineral products.....	712.7	5.1	7.8 (Z)	0.2	31.2	0.2	39.0	0.2	5.5	3.9
331	Primary metals.....	902.7	3.7	62.4	0.3	106.3	0.4	168.7	0.7	18.7	18.9
332	Fabricated metal products.....	2,669.2	21.5	102.9	0.7	169.5	1.5	272.4	2.2	10.2	10.2
333	Machinery.....	1,572.2	8.4	309.4	1.7	45.8	0.3	355.2	2.0	22.6	23.8
334	Computers and electronic products.....	228.2	2.4	80.7	0.7	5.4	0.1	86.2	0.8	37.8	33.3
335	Electrical equipment, appliances, and components.....	368.1	2.0	166.1	0.8	17.0	0.1	183.1	0.9	49.7	45.0
336	Transportation equipment.....	5,228.1	19.6	504.6	2.5	19.3	0.1	524.0	2.6	10.0	13.3
337	Furniture and related products.....	131.3	1.5	0.5 (Z)	0.2	0.2 (Z)	0.7	(Z)	0.5	(Z)	(Z)
339	Miscellaneous products.....	532.3	4.2	23	0.2	5.4 (Z)	0.2	28.4	0.2	5.3	4.8
	MAINE.....	15,065.9	77.7	1,921.6	8.5	578.2	3.1	2,499.8	11.6	16.6	14.9
311	Food.....	1,713.7	10.4	29.9	0.2	17.0	0.1	47.0	0.3	2.7	2.9
313	Textile mills.....	258.3	1.8	57.7	0.4	34.8	0.4	92.5	0.7	35.8	38.9
314	Textile products.....	166.6	2.1	20.3	0.2	1.8 (Z)	0.2	22.1	0.3	13.3	14.3
315	Apparel.....	60.8	1.2	3.6	0.1	0.7 (Z)	0.2	4.2	0.1	6.9	8.3
316	Leather and allied products.....	745.1	5.2	179.0	1.1	57.1	0.2	236.0	1.4	31.7	26.9
321	Wood products.....	720.2	4.3	25.4	0.1	45.2	0.3	70.7	0.4	9.8	9.3
322	Paper.....	4,332.7	12.2	464.2	1.3	108.2	0.3	572.4	1.7	13.2	13.9
323	Printing and related support activities.....	385.8	2.9	8.6	0.1	10.7	0.1	19.4	0.1	5.0	3.4
325	Chemicals.....	312.3	2.1	30.3	0.2	29.9	0.2	60.1	0.3	19.2	14.3
326	Plastics and rubber products.....	499.5	2.8	52.4	0.3	51.0	0.3	103.4	0.6	20.7	21.4
327	Nonmetallic mineral products.....	218.5	1.8	0.4 (Z)	0.2	2.4 (Z)	0.2	2.8 (Z)	0.3	(Z)	(Z)
332	Fabricated metal products.....	886.8	5.6	46.7	0.3	59.3	0.5	106.0	0.9	12.0	16.1
333	Machinery.....	488.1	3.4	129.0	0.9	15.8	0.1	144.9	1.0	29.7	29.4
334	Computers and electronic products.....	1,241.1	5.6	380.0	1.6	70.0	0.3	450.0	1.9	36.3	33.9
335	Electrical equipment, appliances, and components.....	209.4	1.1	47.5	0.3	3.4 (Z)	0.2	50.9	0.3	24.3	27.3
336	Transportation equipment.....	1,948.8	9.9	425.8	1.2	59.0	0.1	484.9	1.3	24.9	13.1
337	Furniture and related products.....	210.6	1.6	3.4 (Z)	0.4	0.2 (Z)	0.2	3.8 (Z)	1.8	(Z)	(Z)
339	Miscellaneous products.....	158.2	1.9	4.0	0.1	1.5 (Z)	0.1	5.5	0.1	3.5	5.3
	MARYLAND.....	36,038.2	162.4	4,013.7	19.3	934.4	5.0	4,948.1	24.3	13.7	15.0
311	Food.....	4,937.8	14.7	104.0	0.3	24.9	0.1	128.9	0.4	2.6	2.7
312	Beverage and tobacco products.....	739.5	2.3	0.1 (Z)	0.2	2.3 (Z)	0.2	54.9	0.6	17.6	24.0
313	Textile mills.....	311.3	2.5	50.2	0.5	4.7 (Z)	0.2	18.5	0.2	9.7	9.5
315	Apparel.....	191.7	2.1	16.1	0.2	2.5 (Z)	0.2	272.0	1.2	81.3	80.0
316	Leather and allied products.....	334.4	1.5	236.0	1.0	35.9	0.2	28.6	0.2	4.7	5.0
321	Wood products.....	614.5	4.0	24.0	0.2	4.6 (Z)	0.2	127.2	0.6	11.4	10.3
322	Paper.....	1,113.1	5.8	51.1	0.3	76.1	0.4	130.2	1.0	5.4	5.4
323	Printing and related support activities.....	2,418.3	18.6	86.5	0.7	43.7	0.3	8.5 (Z)	0.4	1.4	(Z)
324	Petroleum and coal products.....	605.6	1.0	3.3 (Z)	0.2	5.2 (Z)	0.2	8.5 (Z)	1.4	6.4	6.8
325	Chemicals.....	5,892.1	13.5	164.4	0.4	126.1	0.3	290.4	0.7	4.9	5.2
326	Plastics and rubber products.....	1,429.9	8.4	55.5	0.3	64.0	0.4	119.5	0.7	8.4	8.3
327	Nonmetallic mineral products.....	1,112.6	5.9	54.8	0.3	16.3	0.1	71.1	0.4	1.4	1.4

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										Shipments	Employment
MARYLAND (Continued)											
331	Primary metals.....	1,478.1	5.1	90.3	0.3	153.3	0.6	243.7	0.9	16.5	17.6
332	Fabricated metal products.....	2,138.7	12.9	234.4	1.0	89.8	0.6	324.2	1.6	15.2	12.4
333	Machinery.....	2,519.1	11.5	657.8	3.0	52.9	0.3	710.7	3.3	28.2	28.7
334	Computers and electronic products.....	5,538.3	31.0	1,305.7	7.5	150.4	1.2	1,456.0	8.7	26.3	28.1
335	Electrical equipment, appliances, and components.....	358.1	2.0	157.8	0.8	33.4	0.2	191.1	1.0	53.4	50.0
336	Transportation equipment.....	3,146.9	8.5	614.3	1.5	42.2	0.2	656.5	1.7	20.9	20.0
337	Furniture and related products.....	511.5	4.6	1.6	(Z)	0.7	(Z)	2.3	(Z)	0.4	(Z)
339	Miscellaneous products.....	612.9	5.6	104.9	1.0	4.6	(Z)	109.5	1.0	17.9	17.9
	MASSACHUSETTS.....	79,850.8	376.7	14,002.8	62.0	6,717.8	36.0	20,720.5	97.9	25.9	26.0
311	Food.....	5,034.4	23.0	57.3	0.3	31.8	0.2	89.1	0.5	1.8	2.2
312	Beverage and tobacco products.....	967.3	2.1	4.1	(Z)	4.1	(Z)	8.2	(Z)	0.8	(Z)
313	Textile mills.....	1,770.4	11.0	250.5	1.6	220.0	1.6	470.6	3.2	26.6	29.1
314	Textile products.....	554.1	4.1	23.8	0.2	4.2	(Z)	28.0	0.2	5.1	4.9
315	Apparel.....	482.5	5.1	62.2	0.7	10.5	0.1	72.7	0.8	15.1	15.7
316	Leather and allied products.....	536.5	2.6	95.6	0.7	27.1	(Z)	122.7	0.7	22.9	26.9
321	Wood products.....	369.1	3.0	2.5	(Z)	21.7	0.2	24.2	0.2	6.6	6.7
322	Paper.....	3,623.1	17.2	479.2	2.2	511.2	2.2	990.4	4.4	27.3	25.6
323	Printing and related support activities.....	2,562.2	21.2	145.9	1.2	181.1	1.5	326.9	2.7	12.8	12.7
324	Petroleum and coal products.....	505.0	1.0	8.5	(Z)	17.2	(Z)	25.7	0.1	5.1	10.0
325	Chemicals.....	6,817.5	19.6	702.0	2.0	785.7	2.2	1,487.7	4.2	21.8	21.4
326	Plastics and rubber products.....	3,455.7	20.5	236.4	1.4	488.8	2.9	725.2	4.3	21.0	21.0
327	Nonmetallic mineral products.....	1,299.4	8.6	70.7	0.5	69.6	0.5	140.4	1.0	10.8	11.6
331	Primary metals.....	1,148.8	5.4	428.3	1.6	429.5	2.0	857.8	3.6	74.7	66.7
332	Fabricated metal products.....	6,881.7	43.4	343.3	2.0	1,152.6	9.7	1,495.9	11.7	21.7	27.0
333	Machinery.....	5,374.9	33.1	1,804.5	11.6	295.6	2.2	2,100.1	13.9	39.1	42.0
334	Computers and electronic products.....	24,922.9	89.1	6,397.7	24.7	1,790.5	7.0	8,188.2	31.7	32.9	35.6
335	Electrical equipment, appliances, and components.....	2,767.8	17.4	590.0	3.7	415.2	2.6	1,005.2	6.3	36.3	36.2
336	Transportation equipment.....	4,194.1	12.3	1,553.8	3.1	181.6	0.5	1,735.4	3.6	41.4	29.3
337	Furniture and related products.....	922.3	6.3	16.0	0.1	9.8	0.1	25.8	0.2	2.8	3.2
339	Miscellaneous products.....	5,661.3	30.5	730.3	4.1	70.0	0.4	800.3	4.5	14.1	14.8
	MICHIGAN.....	209,002.7	749.5	27,411.7	97.8	20,287.9	92.3	47,699.6	190.1	22.8	25.4
311	Food.....	10,398.4	33.3	291.0	1.0	151.0	0.5	442.0	1.5	4.3	4.5
312	Beverage and tobacco products.....	1,560.3	3.6	11.4	(Z)	23.0	0.1	34.3	0.1	2.2	2.8
314	Textile products.....	253.7	2.7	13.6	0.2	45.7	0.5	59.3	0.6	23.4	22.2
315	Apparel.....	116.5	1.4	18.0	0.2	0.7	(Z)	18.7	0.2	16.1	14.3
316	Leather and allied products.....	578.7	2.2	209.6	0.7	111.0	0.3	320.6	1.0	55.4	45.5
321	Wood products.....	1,938.5	12.7	64.0	0.4	153.7	1.0	217.6	1.4	11.2	11.0
322	Paper.....	4,331.8	16.4	178.2	0.7	839.6	3.0	1,017.8	3.7	23.5	22.6
323	Printing and related support activities.....	3,194.7	24.3	146.2	1.1	297.9	2.3	444.1	3.4	13.9	14.0
324	Petroleum and coal products.....	1,472.9	1.6	56.2	0.1	160.4	0.2	216.6	0.2	14.7	12.5
325	Chemicals.....	11,569.9	30.0	2,255.8	5.0	3,248.8	7.6	5,504.6	12.6	47.6	42.0
326	Plastics and rubber products.....	9,779.4	62.6	1,174.6	7.5	1,228.7	7.8	2,403.3	15.3	24.6	24.4
327	Nonmetallic mineral products.....	3,932.9	17.9	391.0	1.8	440.0	2.3	830.1	4.2	21.1	23.5
331	Primary metals.....	7,420.7	33.1	792.0	2.6	5,018.2	20.3	5,810.3	22.9	78.3	69.2
332	Fabricated metal products.....	13,661.5	99.1	959.8	6.5	3,301.8	24.5	4,261.6	31.0	31.2	31.3
333	Machinery.....	16,408.3	89.9	3,174.7	16.5	1,313.8	6.9	4,488.5	23.4	27.4	26.0
334	Computers and electronic products.....	4,940.8	21.2	784.1	3.3	241.3	1.1	1,025.4	4.4	20.8	20.8
335	Electrical equipment, appliances, and components.....	2,588.7	14.1	492.1	2.5	240.1	1.7	732.2	4.2	28.3	29.8
336	Transportation equipment.....	106,174.0	233.1	15,738.7	43.9	3,211.8	10.7	18,950.6	54.6	17.8	23.4
337	Furniture and related products.....	5,749.7	32.9	383.8	2.1	46.3	0.3	430.1	2.4	7.5	7.3
339	Miscellaneous products.....	2,805.7	16.4	272.4	1.6	137.4	0.9	409.8	2.5	14.6	15.2
	MINNESOTA.....	82,303.6	376.7	8,246.1	42.3	4,547.8	26.1	12,793.9	68.4	15.5	18.2
311	Food.....	16,207.5	45.8	503.1	1.3	231.6	0.5	734.7	1.8	4.5	3.9
312	Beverage and tobacco products.....	750.6	2.0	4.1	(Z)	5.9	(Z)	10.0	(Z)	1.3	(Z)
314	Textile products.....	146.5	2.4	4.1	0.1	2.1	(Z)	6.3	0.1	4.3	4.2
315	Apparel.....	130.7	2.8	11.6	0.2	1.3	(Z)	13.0	0.2	9.9	7.1
316	Leather and allied products.....	233.0	1.7	73.4	0.6	24.5	0.1	97.8	0.7	42.0	41.2
321	Wood products.....	3,011.9	15.4	31.9	0.1	40.6	0.2	72.5	0.3	2.4	1.9
322	Paper.....	4,493.9	16.8	149.6	0.5	435.4	1.5	585.0	2.0	13.0	11.9
323	Printing and related support activities.....	4,351.1	34.5	178.8	1.4	140.5	1.1	319.4	2.5	7.3	7.2
324	Petroleum and coal products.....	4,400.2	1.8	15.1	(Z)	88.7	(Z)	103.8	(Z)	2.4	(Z)
325	Chemicals.....	2,479.6	8.2	84.7	0.3	151.9	0.6	236.6	0.9	9.5	11.0
326	Plastics and rubber products.....	2,829.3	19.0	214.8	1.4	348.2	2.4	563.0	3.8	19.9	20.0
327	Nonmetallic mineral products.....	1,834.9	9.9	78.4	0.5	52.1	0.3	130.5	0.8	7.1	8.1
331	Primary metals.....	1,041.4	6.4	47.3	0.2	275.1	1.6	322.4	1.8	31.0	28.1
332	Fabricated metal products.....	7,400.3	46.8	610.9	3.2	814.7	6.8	1,425.6	10.0	19.3	21.4
333	Machinery.....	7,118.9	38.1	1,551.8	8.5	232.8	1.5	1,784.6	9.9	25.1	26.0
334	Computers and electronic products.....	12,059.7	58.7	3,218.1	15.9	1,308.6	7.4	4,526.8	23.4	37.5	39.9
335	Electrical equipment, appliances, and components.....	3,132.8	13.8	358.2	1.6	253.1	1.1	611.3	2.6	19.5	18.8
336	Transportation equipment.....	5,342.3	14.4	352.8	1.2	69.0	0.4	421.8	1.7	7.9	11.8
337	Furniture and related products.....	1,503.4	12.5	35.3	0.3	5.6	0.1	40.9	0.3	2.7	2.4
339	Miscellaneous products.....	3,767.9	25.3	704.7	4.8	60.3	0.4	765.0	5.2	20.3	20.6

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
	MISSISSIPPI.....	38,559.9	197.8	3,164.0	13.6	1,586.2	5.9	4,750.1	19.5	12.3	9.9
311	Food.....	4,550.0	25.5	216.6	1.2	92.2	0.4	308.8	1.6	6.8	6.3
313	Textile mills.....	343.6	1.8	117.9	0.6	60.8	0.4	178.8	1.0	52.0	55.6
314	Textile products.....	450.7	3.3	21.2	0.2	5.3	(Z)	26.5	0.2	5.9	6.1
315	Apparel.....	1,019.4	9.0	89.4	0.8	15.9	0.1	105.3	1.0	10.3	11.1
321	Wood products.....	2,528.7	15.4	119.8	0.6	91.2	0.6	211.0	1.1	8.3	7.1
322	Paper.....	2,624.6	8.0	264.0	0.7	143.6	0.4	407.6	1.1	15.5	13.8
323	Printing and related support activities.....	561.9	4.1	12.2	0.1	17.3	0.1	29.5	0.2	5.3	4.9
324	Petroleum and coal products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
325	Chemicals.....	4,014.9	7.6	451.7	0.6	401.9	0.6	853.6	1.3	21.3	17.1
326	Plastics and rubber products.....	2,308.8	12.0	80.9	0.4	97.0	0.5	177.9	0.9	7.7	7.5
327	Nonmetallic mineral products.....	720.4	4.0	4.0	(Z)	15.6	0.1	19.6	0.1	2.7	2.5
331	Primary metals.....	1,142.8	3.7	110.0	0.2	200.0	0.7	310.0	0.9	27.1	24.3
332	Fabricated metal products.....	2,306.5	14.2	71.2	0.5	108.2	0.9	179.4	1.4	7.8	9.9
333	Machinery.....	2,239.5	13.4	332.9	2.1	56.9	0.4	389.8	2.4	17.4	17.9
334	Computers and electronic products.....	795.7	4.9	60.6	0.2	3.0	(Z)	63.6	0.3	8.0	6.1
335	Electrical equipment, appliances, and components.....	2,314.0	13.0	215.0	1.2	52.2	0.3	267.2	1.5	11.5	11.5
336	Transportation equipment.....	3,189.5	22.0	319.5	2.1	34.2	0.2	353.7	2.3	11.1	10.5
337	Furniture and related products.....	3,443.2	28.2	115.9	1.0	2.4	(Z)	118.3	1.0	3.4	3.5
339	Miscellaneous products.....	581.0	4.9	96.0	0.8	5.6	(Z)	101.6	0.8	17.5	16.3
	MISSOURI.....	89,682.3	346.6	9,134.3	33.4	4,352.0	22.9	13,486.3	56.3	15.0	16.2
311	Food.....	12,538.9	40.3	470.9	1.4	218.0	0.5	688.9	1.9	5.5	4.7
312	Beverage and tobacco products.....	1,889.5	4.1	2.2	(Z)	8.9	(Z)	11.1	(Z)	0.6	(Z)
314	Textile products.....	291.2	2.8	5.9	0.1	19.7	0.2	25.6	0.2	8.8	7.1
315	Apparel.....	440.9	6.8	87.0	1.3	20.1	0.3	107.1	1.6	24.3	23.5
316	Leather and allied products.....	539.0	3.2	23.8	0.2	14.5	0.1	38.3	0.4	7.1	12.5
321	Wood products.....	1,134.1	10.6	134.5	1.1	50.7	0.5	185.2	1.6	16.3	15.1
322	Paper.....	3,743.6	12.2	449.2	1.1	137.5	0.6	586.7	1.6	15.7	13.1
323	Printing and related support activities.....	2,979.1	21.4	109.6	0.8	123.2	0.9	232.8	1.7	7.8	7.9
324	Petroleum and coal products.....	650.3	1.4	31.8	0.1	15.3	(Z)	47.1	0.1	7.2	7.1
325	Chemicals.....	10,520.5	19.9	1,067.5	2.1	809.7	2.2	1,877.2	4.3	17.8	21.6
326	Plastics and rubber products.....	3,333.4	22.7	149.9	1.0	395.7	2.7	545.6	3.7	16.4	16.3
327	Nonmetallic mineral products.....	1,941.7	10.3	49.5	0.3	43.5	0.2	93.0	0.6	4.8	5.8
331	Primary metals.....	2,114.6	11.0	203.3	0.7	59.0	2.7	800.3	3.5	37.8	31.8
332	Fabricated metal products.....	4,576.2	33.5	260.1	1.6	547.2	4.9	807.3	6.5	17.6	19.4
333	Machinery.....	5,512.0	34.1	740.7	4.7	232.9	1.6	973.6	6.3	17.7	18.5
334	Computers and electronic products.....	2,233.7	12.2	573.7	3.2	171.9	0.9	745.7	4.2	33.4	34.4
335	Electrical equipment, appliances, and components.....	3,098.6	16.1	474.5	2.5	126.1	0.7	600.6	3.2	19.4	19.9
336	Transportation equipment.....	29,299.3	60.4	4,121.7	9.9	757.9	3.3	4,879.6	13.2	16.7	21.9
337	Furniture and related products.....	1,237.4	11.1	29.8	0.3	17.0	0.2	46.9	0.4	3.8	3.6
339	Miscellaneous products.....	1,516.4	12.6	119.5	1.0	31.2	0.3	150.7	1.3	9.9	10.3
	MONTANA.....	5,422.7	20.4	395.2	1.1	47.2	0.2	442.5	1.3	8.2	6.4
311	Food.....	466.3	2.3	25.9	0.1	5.4	(Z)	31.2	0.1	6.7	4.3
321	Wood products.....	919.0	5.3	15.7	0.1	9.9	0.1	25.6	0.1	2.8	1.9
323	Printing and related support activities.....	57.1	0.9	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
327	Nonmetallic mineral products.....	151.6	0.8	5.7	(Z)	0.5	(Z)	6.2	(Z)	4.1	(Z)
331	Primary metals.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
332	Fabricated metal products.....	173.6	1.7	5.2	0.1	1.3	(Z)	6.5	0.1	3.7	5.9
333	Machinery.....	247.4	1.5	49.0	0.3	1.4	(Z)	50.4	0.3	20.4	20.0
339	Miscellaneous products.....	115.1	1.3	6.6	0.1	0.5	(Z)	7.1	0.1	6.2	7.7
	NEBRASKA.....	31,133.3	105.0	3,242.2	10.7	1,338.8	4.7	4,581.0	15.4	14.7	14.7
311	Food.....	16,702.9	34.3	1,643.8	3.3	762.9	1.4	2,406.6	4.7	14.4	13.7
315	Apparel.....	140.0	0.7	6.8	(Z)	0.7	(Z)	7.4	(Z)	5.3	(Z)
321	Wood products.....	309.0	2.3	1.3	(Z)	5.2	(Z)	6.6	0.1	2.1	4.3
322	Paper.....	465.3	1.8	14.6	0.1	58.5	0.2	73.1	0.3	15.7	16.7
323	Printing and related support activities.....	634.0	5.4	19.8	0.2	34.3	0.3	54.1	0.5	8.5	9.3
325	Chemicals.....	1,712.3	3.1	122.0	0.2	124.4	0.3	246.4	0.5	14.4	16.1
326	Plastics and rubber products.....	935.7	7.0	29.4	0.2	60.4	0.4	89.8	0.7	9.6	10.0
327	Nonmetallic mineral products.....	503.7	3.0	1.5	(Z)	5.8	(Z)	7.3	(Z)	1.4	(Z)
331	Primary metals.....	302.1	1.2	14.2	(Z)	70.8	0.4	85.0	0.4	28.1	33.3
332	Fabricated metal products.....	1,256.2	9.3	101.6	0.8	60.5	0.6	162.1	1.4	12.9	15.1
333	Machinery.....	1,775.5	10.6	369.0	2.2	50.6	0.3	419.6	2.5	23.6	23.6
334	Computers and electronic products.....	1,324.2	6.2	229.8	1.3	39.4	0.3	269.3	1.6	20.3	25.8
335	Electrical equipment, appliances, and components.....	1,399.4	4.4	218.8	0.7	16.5	0.1	235.3	0.7	16.8	15.9
336	Transportation equipment.....	1,588.9	6.7	230.9	1.0	21.6	0.1	252.5	1.1	15.9	16.4
337	Furniture and related products.....	447.6	2.8	27.7	0.2	1.0	(Z)	28.6	0.2	6.4	7.1
339	Miscellaneous products.....	1,225.4	4.8	116.1	0.5	8.7	(Z)	124.8	0.5	10.2	10.4
	NEVADA.....	7,581.1	40.4	996.3	5.7	123.5	0.7	1,119.8	6.4	14.8	15.8
311	Food.....	1,092.0	3.4	11.8	(Z)	0.9	(Z)	12.7	(Z)	1.2	(Z)
321	Wood products.....	138.3	1.3	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
323	Printing and related support activities.....	519.6	3.5	19.8	0.1	5.9	(Z)	25.7	0.2	4.9	5.7
325	Chemicals.....	364.2	1.4	60.6	0.2	10.6	(Z)	71.2	0.2	19.5	14.3
326	Plastics and rubber products.....	680.3	3.4	5.1	(Z)	15.5	0.1	20.6	0.1	3.0	2.9
327	Nonmetallic mineral products.....	786.6	3.8	0.8	(Z)	1.2	(Z)	1.9	(Z)	0.2	(Z)

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
NEVADA (Continued)											
331	Primary metals.....	278.7	1.2	87.7	0.3	50.2	0.2	137.9	0.5	49.5	41.7
332	Fabricated metal products.....	646.8	5.2	30.8	0.2	14.7	0.2	45.5	0.4	7.0	7.7
333	Machinery.....	445.5	2.0	92.2	0.3	2.1	(Z)	94.2	0.3	21.1	15.0
334	Computers and electronic products.....	513.9	3.5	166.2	1.2	6.5	(Z)	172.7	1.2	33.6	34.3
336	Transportation equipment.....	118.5	0.9	79.9	0.5	2.4	(Z)	82.3	0.6	69.5	66.7
337	Furniture and related products.....	259.0	1.8	1.4	(Z)	0.2	(Z)	1.6	(Z)	0.6	(Z)
339	Miscellaneous products.....	1,002.6	6.4	348.9	2.2	10.9	0.1	359.8	2.2	35.9	34.4
	NEW HAMPSHIRE.....	16,974.8	96.7	2,560.4	13.3	1,095.4	6.8	3,655.8	20.1	21.5	20.8
311	Food.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
313	Textile mills.....	234.2	2.4	31.1	0.3	31.3	0.4	62.4	0.7	26.6	29.2
314	Textile products.....	90.7	1.1	6.4	0.1	0.6	(Z)	7.1	0.1	7.8	9.1
315	Apparel.....	86.4	0.3	10.0	(Z)	0.9	(Z)	10.9	(Z)	12.6	(Z)
316	Leather and allied products.....	340.0	1.2	118.9	0.4	29.7	0.1	148.6	0.5	43.7	41.7
321	Wood products.....	598.4	3.4	37.1	0.2	24.9	0.1	62.0	0.4	10.4	11.8
322	Paper.....	858	4.1	84.3	0.4	92.3	0.4	176.6	0.8	20.6	19.5
323	Printing and related support activities.....	597.1	4.8	20.3	0.2	31.9	0.3	52.2	0.4	8.7	8.3
325	Chemicals.....	378.0	1.3	45.0	0.1	52.2	0.2	97.3	0.3	25.7	23.1
326	Plastics and rubber products.....	880.6	6.4	60.6	0.5	96.1	0.7	156.7	1.2	17.8	18.8
327	Nonmetallic mineral products.....	449.6	2.6	39.4	0.2	31.5	0.2	70.9	0.4	15.8	15.4
331	Primary metals.....	359.5	3.1	31.0	0.2	92.1	0.7	123.1	0.9	34.2	29.0
332	Fabricated metal products.....	1,841.2	13.4	171.7	1.0	157.0	1.2	328.7	2.2	17.9	16.4
333	Machinery.....	1,615.7	9.9	429.8	2.7	47.0	0.3	476.8	3.0	29.5	30.3
334	Computers and electronic products.....	5,035.9	24.5	905.0	3.8	258.7	1.4	1,163.7	5.2	23.1	21.2
335	Electrical equipment, appliances, and components.....	1,196.0	6.4	404.2	2.2	106.4	0.6	510.6	2.7	42.7	42.2
336	Transportation equipment.....	385.4	2.2	11.9	0.1	10.1	0.1	22.0	0.1	5.7	4.5
337	Furniture and related products.....	158.5	1.7	1.1	(Z)	1.6	(Z)	2.7	(Z)	1.7	(Z)
339	Miscellaneous products.....	971.5	5.8	149.7	0.9	15.7	0.1	165.4	1.0	17.0	17.2
	NEW JERSEY.....	98,230.5	379.5	10,629.6	42.4	5,303.7	21.8	15,933.3	64.2	16.2	16.9
311	Food.....	7,880.3	25.3	315.4	1.0	54.8	0.2	370.1	1.2	4.7	4.7
312	Beverage and tobacco products.....	2,049.1	3.5	7.9	(Z)	4.4	(Z)	12.2	(Z)	0.6	(Z)
313	Textile mills.....	746.3	5.1	103.9	0.8	208.4	1.5	312.3	2.3	41.8	45.1
314	Textile products.....	718.9	6.2	19.6	0.2	12.4	0.1	32.0	0.3	4.5	4.8
315	Apparel.....	1,749.7	11.3	250.5	1.6	36.0	0.2	286.5	1.8	16.4	15.9
316	Leather and allied products.....	251.5	1.8	32.6	0.3	15.8	0.1	48.5	0.4	19.3	22.2
321	Wood products.....	430.7	3.0	4.3	(Z)	9.0	0.1	13.3	0.1	3.1	3.3
322	Paper.....	3,508.6	15.9	352.6	1.7	380.2	1.7	732.8	3.3	20.9	20.8
323	Printing and related support activities.....	5,100.1	31.9	176.4	1.1	176.5	1.1	352.9	2.2	6.9	6.9
324	Petroleum and coal products.....	9,006.0	3.5	261.0	0.1	372.5	0.1	633.6	0.2	7.0	5.7
325	Chemicals.....	27,288.2	62.8	4,131.7	9.4	2,085.8	4.4	6,217.5	13.8	22.8	22.0
326	Plastics and rubber products.....	5,155.0	34.6	363.7	2.4	413.9	2.8	777.6	5.2	15.1	15.0
327	Nonmetallic mineral products.....	2,278.9	13.1	79.7	0.5	110.5	0.7	190.2	1.3	8.3	9.9
331	Primary metals.....	2,054.6	8.5	338.7	1.3	395.2	1.5	733.9	2.8	35.7	32.9
332	Fabricated metal products.....	5,291.4	36.5	291.9	1.9	475.1	3.8	767.1	5.7	14.5	15.6
333	Machinery.....	4,115.5	22.9	962.6	5.4	146.2	0.8	1,108.8	6.2	26.9	27.1
334	Computers and electronic products.....	7,902.1	40.2	1,243.2	7.6	197.9	1.3	1,441.1	8.9	18.2	22.1
335	Electrical equipment, appliances, and components.....	1,517.4	8.6	166.3	1.0	90.3	0.5	256.6	1.6	16.9	18.6
336	Transportation equipment.....	5,589.6	9.8	575.9	1.1	37.0	0.2	612.8	1.2	11.0	12.2
337	Furniture and related products.....	1,113.0	9.1	29.8	0.3	1.3	(Z)	31.1	0.3	2.8	3.3
339	Miscellaneous products.....	4,483.5	26.0	921.9	4.8	80.4	0.5	1,002.4	5.3	22.4	20.4
	NEW MEXICO.....	11,463.7	32.7	2,615.0	5.1	752.7	2.5	3,367.7	7.6	29.4	23.2
311	Food.....	1,172.2	3.7	20.0	(Z)	5.1	0.1	25.2	0.1	2.1	2.7
315	Apparel.....	12.7	0.3	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
321	Wood products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
323	Printing and related support activities.....	149.1	1.5	2.9	(Z)	13.7	0.1	16.6	0.2	11.1	13.3
325	Chemicals.....	386.1	1.0	72.6	0.4	29.5	0.2	102.2	0.5	26.5	50.0
326	Plastics and rubber products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
327	Nonmetallic mineral products.....	396.7	2.5	2.1	(Z)	13.5	0.1	15.5	0.1	3.9	4.0
331	Primary metals.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
332	Fabricated metal products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
333	Machinery.....	223.1	1.5	41.4	0.3	9.5	0.1	50.9	0.4	22.8	26.7
334	Computers and electronic products.....	5,164.6	9.4	2,254.1	3.2	387.6	0.8	2,641.6	4.0	51.1	42.6
335	Electrical equipment, appliances, and components.....	202.1	2.0	39.2	0.3	12.5	0.1	51.7	0.4	25.6	20.0
336	Transportation equipment.....	350.3	1.6	26.5	0.1	13.8	0.1	40.3	0.2	11.5	12.5
337	Furniture and related products.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
339	Miscellaneous products.....	675.0	3.9	15.9	0.2	3.8	(Z)	19.7	0.2	2.9	5.1
	NEW YORK.....	146,454.6	707.2	21,128.9	97.7	8,196.2	41.8	29,325.2	139.5	20.0	19.7
311	Food.....	13,955.2	50.3	307.1	1.0	76.3	0.3	383.4	1.2	2.7	2.4
312	Beverage and tobacco products.....	3,172.4	7.2	8.1	(Z)	15.6	(Z)	23.6	0.1	0.7	1.4
313	Textile mills.....	2,847.7	12.9	249.0	1.3	223.3	1.2	472.2	2.5	16.6	19.4
314	Textile products.....	1,131.0	8.1	74.4	0.6	16.6	0.1	91.0	0.7	8.0	8.6
315	Apparel.....	7,884.7	62.8	606.3	5.2	113.2	0.9	719.5	6.1	9.1	9.7
316	Leather and allied products.....	433.4	4.2	74.9	0.7	40.9	0.4	115.9	1.1	26.7	26.2
321	Wood products.....	1,380.9	10.5	172.6	1.2	40.6	0.3	213.2	1.5	15.4	14.3

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
NEW YORK (Continued)											
322	Paper.....	4,350.7	20.8	283.2	1.4	503.3	2.2	786.4	3.6	18.1	17.3
323	Printing and related support activities.....	6,828.0	48.2	287.0	2.0	242.9	1.7	529.9	3.7	7.8	7.7
324	Petroleum and coal products.....	564.4	1.1	10.0	(Z)	120.5	0.2	130.6	0.3	23.1	27.3
325	Chemicals.....	28,451.1	69.0	3,794.1	9.8	1,017.2	2.6	4,811.3	12.4	16.9	18.0
326	Plastics and rubber products.....	5,599.0	35.8	380.4	2.4	383.3	2.5	763.7	4.9	13.6	13.7
327	Nonmetallic mineral products.....	3,594.6	20.2	403.5	2.6	232.2	1.4	635.7	4.0	17.7	19.8
331	Primary metals.....	5,011.7	14.7	859.0	2.3	1,454.9	4.5	2,313.9	6.9	46.2	46.9
332	Fabricated metal products.....	8,265.7	62.9	483.6	3.2	1,087.0	9.2	1,570.6	12.5	19.0	19.9
333	Machinery.....	12,870.1	58.3	4,419.2	19.7	468.9	2.2	4,888.1	21.8	38.0	37.4
334	Computers and electronic products.....	15,317.3	80.7	4,451.7	22.9	1,354.3	7.6	5,805.9	30.4	37.9	37.7
335	Electrical equipment, appliances, and components.....	3,425.1	21.6	773.4	5.0	391.5	2.5	1,164.9	7.5	34.0	34.7
336	Transportation equipment.....	11,479.0	43.5	2,569.7	9.7	305	1.1	2,874.7	10.8	25.0	24.8
337	Furniture and related products.....	2,298.6	21.9	64.9	0.6	10.0	0.1	75.0	0.7	3.3	3.2
339	Miscellaneous products.....	7,594.2	52.5	857.0	6.1	98.7	0.7	955.7	6.7	12.6	12.8
NORTH CAROLINA.....		167,124.2	693.7	17,608.5	86.4	11,059.1	53.2	28,667.6	139.6	17.2	20.1
311	Food.....	12,904.5	55.6	417.8	1.8	221.0	0.8	638.8	2.6	5.0	4.7
312	Beverage and tobacco products.....	28,544.9	14.2	692.5	0.3	62.6	(Z)	755.1	0.3	2.6	2.1
313	Textile mills.....	12,054.0	77.6	1,946.4	13.2	1,567.1	10.0	3,513.6	23.2	29.1	29.9
314	Textile products.....	2,833.1	18.5	166.6	1.1	60.0	0.4	226.7	1.5	8.0	8.1
315	Apparel.....	6,051.3	50.1	579	4.8	95.6	0.8	674.6	5.6	11.1	11.2
316	Leather and allied products.....	258.7	2.3	24.7	0.3	17.8	0.2	42.5	0.5	16.4	21.7
321	Wood products.....	4,725.8	31.7	138.2	0.9	283.1	1.8	421.3	2.8	8.9	8.8
322	Paper.....	5,648.4	22.3	686.0	2.4	924.4	3.4	1,610.4	5.9	28.5	26.5
323	Printing and related support activities.....	2,559.8	22.0	85.5	0.7	187.0	1.6	272.6	2.3	10.6	10.5
325	Chemicals.....	24,871.0	39.8	2,018.9	4.4	2,707.8	7.0	4,726.7	11.4	19.0	28.6
326	Plastics and rubber products.....	7,740.8	45.2	575.0	3.3	693.8	4.1	1,268.8	7.4	16.4	16.4
327	Nonmetallic mineral products.....	4,702.6	23.6	1,251.5	5.1	415.9	2.1	1,667.4	7.1	35.5	30.1
331	Primary metals.....	1,758.9	7.2	322.9	1.4	781.1	3.2	1,104.0	4.6	62.8	63.9
332	Fabricated metal products.....	6,914.0	43.4	531.4	3.5	822.1	6.0	1,353.5	9.5	19.6	21.9
333	Machinery.....	9,292.3	37.9	1,963.7	7.7	384.1	1.8	2,347.8	9.5	25.3	25.1
334	Computers and electronic products.....	9,259.2	50.0	3,341.7	22.4	974.6	6.1	4,316.3	28.5	46.6	57.0
335	Electrical equipment, appliances, and components.....	6,835.7	28.2	1,127.9	4.7	551.9	2.3	1,679.7	7.0	24.6	24.8
336	Transportation equipment.....	9,291.4	31.9	1,164.4	4.3	198.1	0.8	1,362.4	5.1	14.7	16.0
337	Furniture and related products.....	7,500.3	74.8	238.2	2.3	15.5	0.2	253.7	2.5	3.4	3.3
339	Miscellaneous products.....	3,107.9	16.8	329.8	1.7	76.1	0.5	406.0	2.1	13.1	12.5
NORTH DAKOTA.....		6,517.1	23.4	598.3	1.6	67.8	0.3	666.2	1.9	10.2	8.1
311	Food.....	1,905.9	5.4	163.3	0.3	9.9	(Z)	173.3	0.3	9.1	5.6
321	Wood products.....	181.7	1.6	1.6	(Z)	0.2	(Z)	1.8	(Z)	1.0	(Z)
332	Fabricated metal products.....	212.9	1.6	0.3	(Z)	12.6	0.1	12.9	0.1	6.1	6.3
333	Machinery.....	1,345.7	4.2	248.7	0.7	15.0	(Z)	263.7	0.7	19.6	16.7
334	Computers and electronic products.....	583.4	2.8	89.7	0.3	2.7	(Z)	92.5	0.3	15.9	10.7
336	Transportation equipment.....	930.0	2.4	72.2	0.2	6.3	(Z)	78.4	0.2	8.4	8.3
337	Furniture and related products.....	97.9	1.2	0.1	(Z)	0.1	(Z)	0.3	(Z)	0.3	(Z)
OHIO.....		241,901.9	923.5	29,775.0	112.4	23,438.6	102.8	53,213.6	215.2	22.0	23.3
311	Food.....	19,877.1	55.9	386.1	1.1	228.2	0.6	614.3	1.7	3.1	3.0
312	Beverage and tobacco products.....	3,627.1	6.4	12.6	(Z)	19.8	(Z)	32.4	0.1	0.9	1.6
313	Textile mills.....	393.7	1.8	88.6	0.4	72.4	0.3	161.0	0.7	40.9	38.9
314	Textile products.....	505.2	5.0	17.7	0.2	49.3	0.5	67.0	0.7	13.3	14.0
315	Apparel.....	566.4	4.0	123.4	1.2	4.8	(Z)	128.2	1.2	22.6	30.0
316	Leather and allied products.....	234.8	1.7	27.5	0.3	1.7	(Z)	29.2	0.3	12.4	17.6
321	Wood products.....	2,618.7	21.9	116.5	0.9	146.3	1.2	262.8	2.1	10.0	9.6
322	Paper.....	6,977.5	29.4	381.7	1.5	1,209.0	4.6	1,590.7	6.1	22.8	20.7
323	Printing and related support activities.....	4,545.3	37.7	355.1	2.9	392.5	3.3	747.6	6.2	16.4	16.4
324	Petroleum and coal products.....	7,438.6	5.3	62.1	(Z)	891.6	0.6	953.7	0.7	12.8	13.2
325	Chemicals.....	21,470.3	44.4	2,581.2	5.2	3,494.2	7.5	6,075.4	12.7	28.3	28.6
326	Plastics and rubber products.....	14,317.6	94.7	1,047.7	6.9	1,349.8	8.9	2,397.5	15.8	16.7	
327	Nonmetallic mineral products.....	5,931.6	37.2	649.1	4.0	633.9	4.0	1,280.3	8.0	21.6	21.5
331	Primary metals.....	16,624.2	65.3	1,552.5	5.6	5,412.1	20.6	6,964.7	26.2	41.9	40.1
332	Fabricated metal products.....	21,989.4	138.4	1,728.6	9.9	3,498.5	23.4	5,227.1	33.3	23.8	24.1
333	Machinery.....	16,518.5	95.1	3,487.6	19.8	1,398.1	8.9	4,885.7	28.7	29.6	30.2
334	Computers and electronic products.....	9,521.6	38.1	1,579.6	8.6	414.5	2.6	1,994.1	11.2	20.9	29.4
335	Electrical equipment, appliances, and components.....	8,924.6	38.7	1,434.3	6.6	953.9	5.4	2,388.2	12.0	26.8	31.0
336	Transportation equipment.....	72,423.9	151.0	13,593.6	33.5	3,085.8	8.9	16,679.4	42.4	23.0	28.1
337	Furniture and related products.....	3,535.3	24.1	166.5	1.1	34.2	0.2	200.7	1.3	5.7	5.4
339	Miscellaneous products.....	3,860.5	27.4	383.1	2.7	147.9	1.1	531.1	3.8	13.8	13.9
OKLAHOMA.....		40,062.5	161.7	4,401.7	18.3	1,698.6	8.7	6,100.2	27.1	15.2	16.8
311	Food.....	4,218.6	15.3	341.6	1.2	108.9	0.3	450.5	1.5	10.7	9.8
312	Beverage and tobacco products.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
314	Textile products.....	67.9	1.0	28.2	0.2	3.2	(Z)	31.4	0.2	46.2	20.0
315	Apparel.....	436.5	4.1	39.1	0.4	4.9	0.1	43.9	0.4	10.1	9.8
321	Wood products.....	366.8	2.5	1.5	(Z)	9.1	0.1	10.6	0.1	2.9	4.0
322	Paper.....	1,580.8	4.5	31.4	0.1	39.9	0.2	71.3	0.3	4.5	6.7

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
OKLAHOMA (Continued)											
323	Printing and related support activities.....	571.4	4.7	18.4	0.2	20.9	0.2	39.3	0.3	6.9	6.4
324	Petroleum and coal products.....	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)	(W)
325	Chemicals.....	1,858.9	3.1	147.1	0.3	81.1	0.2	228.2	0.5	12.3	16.1
326	Plastics and rubber products.....	2,811.2	14.1	315.8	1.6	113.3	0.6	429.1	2.2	15.3	15.6
327	Nonmetallic mineral products.....	1,561.5	8.2	78.0	0.4	33.4	0.2	111.5	0.6	7.1	7.3
331	Primary metals.....	968.3	4.6	86.8	0.4	344.7	1.9	431.4	2.3	44.6	50.0
332	Fabricated metal products.....	3,772.7	26.1	258.7	1.7	324.7	2.7	583.4	4.4	15.5	16.9
333	Machinery.....	5,913.9	25.1	2,075.6	7.4	248.9	0.8	2,324.6	8.2	39.3	32.7
334	Computers and electronic products.....	3,526.2	11.2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
335	Electrical equipment, appliances, and components.....	1,094.0	4.8	88.3	0.4	82.6	0.4	170.9	0.8	15.6	16.7
336	Transportation equipment.....	3,972.3	18.9	578.5	2.5	125.4	0.6	703.9	3.1	17.7	16.4
337	Furniture and related products.....	223.4	2.7	2.5	(Z)	0.4	(Z)	2.9	(Z)	1.3	(Z)
339	Miscellaneous products.....	563.4	5.2	33.3	0.3	21.1	0.2	54.4	0.5	9.7	9.6
OREGON.....		43,270.8	199.2	8,115.0	31.5	3,901.1	18.2	12,016.1	49.8	27.8	25.0
311	Food.....	5,004.2	20.7	268.3	1.2	98.6	0.4	367.0	1.6	7.3	7.7
312	Beverage and tobacco products.....	840.7	2.1	0.1	(Z)	8.8	(Z)	8.8	(Z)	1.0	(Z)
314	Textile products.....	103.4	1.0	2.5	(Z)	2.3	(Z)	4.8	0.1	4.6	10.0
315	Apparel.....	98.8	1.7	12.5	0.2	0.8	(Z)	13.3	0.2	13.5	11.8
321	Wood products.....	6,703.9	31.2	243.5	1.0	172.0	0.8	415.5	1.8	6.2	5.8
322	Paper.....	2,460.1	6.8	124.6	0.4	300.7	0.9	425.3	1.3	17.3	19.1
323	Printing and related support activities.....	986.9	8.4	46.9	0.4	150.9	1.3	197.8	1.7	20.0	20.2
325	Chemicals.....	1,729.6	3.9	230.4	0.3	199.1	0.5	429.5	0.8	24.8	20.5
326	Plastics and rubber products.....	972.4	6.5	171.7	1.1	188.6	1.3	360.3	2.4	37.1	36.9
327	Nonmetallic mineral products.....	710.3	4.7	40.5	0.2	37.0	0.3	77.5	0.5	10.9	10.6
331	Primary metals.....	2,007.9	9.8	375.7	2.2	342.9	1.4	718.7	3.6	35.8	36.7
332	Fabricated metal products.....	2,355.5	18.4	243.3	1.4	486.3	4.8	729.6	6.3	31.0	34.2
333	Machinery.....	1,563.5	11.9	513.1	3.6	108.8	1.0	621.9	4.6	39.8	38.7
334	Computers and electronic products.....	12,323.1	36.5	5,183.3	15.8	1,591.2	4.4	6,774.5	20.2	55.0	55.3
335	Electrical equipment, appliances, and components.....	573.3	2.1	240.0	0.8	89.9	0.3	329.9	1.1	57.5	52.4
336	Transportation equipment.....	2,584.7	14.8	248.3	1.4	64.0	0.3	312.3	1.7	12.1	11.5
337	Furniture and related products.....	891.2	8.1	10.5	0.1	10.4	0.1	20.9	0.2	2.3	2.5
339	Miscellaneous products.....	982.5	8.8	139.7	1.3	28.6	0.3	168.3	1.5	17.1	17.0
PENNSYLVANIA.....		178,613.0	768.7	17,620.2	80.0	12,046.9	53.2	29,667.0	133.2	16.6	17.3
311	Food.....	21,414.9	74.3	568.7	2.0	202.4	0.7	771.1	2.7	3.6	3.6
312	Beverage and tobacco products.....	2,522.8	7.8	28.9	0.1	10.1	(Z)	39.0	0.1	1.5	1.3
313	Textile mills.....	1,321.2	11.0	156.8	1.4	226.3	1.9	383.1	3.3	29.0	30.0
314	Textile products.....	1,184.1	6.0	108.2	0.6	14.9	0.1	123.0	0.7	10.4	11.7
315	Apparel.....	4,935.7	22.8	241.9	1.3	48.5	0.2	290.3	1.5	5.9	6.6
316	Leather and allied products.....	585.1	3.8	110.9	0.6	53.3	0.2	164.2	0.9	28.1	23.7
321	Wood products.....	3,541.3	24.9	187.0	1.2	151.8	1.0	338.8	2.2	9.6	8.8
322	Paper.....	9,331.4	30.5	817.0	2.3	894.6	2.5	1,711.7	4.8	18.3	15.7
323	Printing and related support activities.....	6,696.6	50.0	292.5	2.2	225.4	1.7	517.9	3.9	7.7	7.8
324	Petroleum and coal products.....	9,771.7	6.7	214.8	0.1	571.3	0.4	786.1	0.5	8.0	7.5
325	Chemicals.....	27,193.9	35.2	2,363.7	3.9	2,147.0	4.8	4,510.8	8.7	16.6	24.7
326	Plastics and rubber products.....	8,616.6	48.8	422.7	2.4	586.3	3.3	1,009.1	5.7	11.7	11.7
327	Nonmetallic mineral products.....	6,008.9	30.6	402.2	2.1	334.8	1.8	737.0	3.8	12.3	12.4
331	Primary metals.....	13,876.4	54.0	2,226.3	7.4	3,126.4	12.5	5,352.7	19.9	38.6	36.9
332	Fabricated metal products.....	14,139.2	98.4	783.9	5.5	1,523.7	10.4	2,307.5	15.9	16.3	16.2
333	Machinery.....	10,690.3	62.4	2,708.8	15.8	573.3	3.9	3,282.1	19.8	30.7	31.7
334	Computers and electronic products.....	10,738.1	61.1	2,057.5	11.8	477.3	3.1	2,534.8	14.9	23.6	24.4
335	Electrical equipment, appliances, and components.....	5,105.9	27.5	865.5	4.7	451.7	2.5	1,317.2	7.1	25.8	25.8
336	Transportation equipment.....	11,938.7	51.2	2,286.8	9.6	308.8	1.3	2,595.7	11.0	21.7	21.5
337	Furniture and related products.....	3,553.5	27.5	82.0	0.6	38.8	0.3	120.9	0.9	3.4	3.3
339	Miscellaneous products.....	5,446.6	34.1	694.2	4.4	80.0	0.5	774.2	4.9	14.2	14.4
RHODE ISLAND.....		10,958.3	70.0	1,357.9	8.5	567.2	3.8	1,925.1	12.3	17.6	17.6
311	Food.....	315.0	2.0	1.0	(Z)	1.4	(Z)	2.4	0.1	0.8	5.0
313	Textile mills.....	578	4.7	86.2	0.7	62.4	0.5	148.6	1.2	25.7	25.5
314	Textile products.....	86.5	0.8	18.0	0.1	1.5	(Z)	19.4	0.2	22.4	25.0
322	Paper.....	226.9	2.1	20.4	0.2	22.6	0.2	43.0	0.4	19.0	19.0
323	Printing and related support activities.....	307.4	2.9	16.6	0.2	13.7	0.1	30.3	0.3	9.9	10.3
325	Chemicals.....	751.0	2.9	64.0	0.2	107.0	0.3	171.0	0.5	22.8	17.2
326	Plastics and rubber products.....	746.7	4.1	29.3	0.2	38.6	0.2	67.9	0.4	9.1	9.8
327	Nonmetallic mineral products.....	128.0	1.0	24.2	0.2	9.9	0.1	34.1	0.3	26.6	30.0
331	Primary metals.....	461.0	2.5	51.0	0.2	113.8	0.5	164.8	0.7	35.7	28.0
332	Fabricated metal products.....	1,435.5	9.9	67.8	0.6	78.0	0.9	145.8	1.5	10.2	15.2
333	Machinery.....	635.3	4.2	76.9	0.6	13.7	0.1	90.6	0.7	14.3	16.7
334	Computers and electronic products.....	1,310.0	7.1	532.9	2.5	57.3	0.5	590.2	3.0	45.1	42.3
335	Electrical equipment, appliances, and components.....	1,550.9	5.6	77.9	0.3	23.5	0.1	101.4	0.4	6.5	7.1
336	Transportation equipment.....	178.0	2.1	15.7	0.2	2.5	(Z)	18.2	0.2	10.2	9.5

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
RHODE ISLAND (Continued)											
337	Furniture and related products.....	131.3	2.1	5.5	0.1	0.2	(Z)	5.7	0.1	4.3	4.8
339	Miscellaneous products.....	1,781.3	14.8	259.9	2.2	17	0.1	276.9	2.4	15.5	16.2
SOUTH CAROLINA.....											
311	Food.....	3,484.5	15.6	87.0	0.3	46.7	0.2	133.8	0.5	3.8	3.2
313	Textile mills.....	8,056.3	47.3	1,068.9	6.8	887.8	5.1	1,956.6	11.9	24.3	25.2
314	Textile products.....	2,080.5	12.8	121.1	0.8	76.9	0.6	198.0	1.3	9.5	10.2
315	Apparel.....	821.9	7.8	320.6	2.8	36.3	0.3	356.8	3.2	43.4	41.0
321	Wood products.....	1,597.7	8.7	23.5	0.1	104.2	0.6	127.8	0.8	8.0	9.2
322	Paper.....	5,277.4	14	329.9	0.8	453.8	1.2	783.7	2	14.9	14.3
323	Printing and related support activities.....	763.0	6.7	65.2	0.6	76.1	0.7	141.3	1.2	18.5	17.9
325	Chemicals.....	10,596.2	34.2	1,634.6	5.2	2,395.9	8.7	4,030.5	13.9	38.0	40.6
326	Plastics and rubber products.....	5,956.4	23.5	737.0	2.9	547.0	2.3	1,284.0	5.1	21.6	21.7
327	Nonmetallic mineral products.....	1,978.2	10.7	280.3	1.5	149.9	0.8	430.2	2.3	21.7	21.5
331	Primary metals.....	2,372.0	6.6	127.8	0.4	881.1	3.1	1,008.9	3.5	42.5	53.0
332	Fabricated metal products.....	4,488.7	29.3	523.7	3.4	752.9	5.7	1,276.5	9.1	28.4	31.1
333	Machinery.....	10,972.2	24.0	2,618.8	6.4	512.5	1.5	3,131.3	7.9	28.5	32.9
334	Computers and electronic products.....	2,909.8	11.7	1,084.4	4.7	172.1	1.0	1,256.5	5.7	43.2	48.7
335	Electrical equipment, appliances, and components.....	3,597.7	15.5	420.7	1.7	202.3	0.9	623.0	2.6	17.3	16.8
336	Transportation equipment.....	11,660.7	31.0	2,431.2	5.1	680.6	2.4	3,111.8	7.5	26.7	24.2
337	Furniture and related products.....	633.1	5.6	28.8	0.3	3.3	(Z)	32.1	0.3	5.1	5.4
339	Miscellaneous products.....	853.1	6.4	86.5	0.6	49.1	0.4	135.5	1.0	15.9	15.6
SOUTH DAKOTA.....											
		11,093.5	39.6	1,401.7	3.6	790.1	3.2	2,191.8	6.8	19.8	17.2
311	Food.....	2,313.6	8	126.3	0.4	37.5	0.2	163.8	0.6	7.1	7.5
321	Wood products.....	192.3	1.4	0.3	(Z)	5.4	(Z)	5.7	(Z)	3.0	(Z)
323	Printing and related support activities.....	142.7	1.5	16.1	0.2	18.4	0.2	34.5	0.4	24.2	26.7
326	Plastics and rubber products.....	191.9	1.4	8.0	0.1	46.2	0.3	54.2	0.4	28.2	28.6
327	Nonmetallic mineral products.....	174.8	1.4	5.3	(Z)	2.1	(Z)	7.4	0.1	4.2	7.1
332	Fabricated metal products.....	440.4	3.7	36.4	0.2	26.8	0.3	63.1	0.5	14.3	13.5
333	Machinery.....	763.6	4.8	114.3	0.7	15.9	0.1	130.2	0.8	17.1	16.7
334	Computers and electronic products.....	4,519.3	6.6	983.2	1.4	556.3	1.7	1,539.6	3.1	34.1	47.0
336	Transportation equipment.....	347.0	2.1	29.0	0.2	14.4	0.1	43.4	0.3	12.5	14.3
337	Furniture and related products.....	146.0	1.8	0.9	(Z)	0.7	(Z)	1.6	(Z)	1.1	(Z)
339	Miscellaneous products.....	894.8	3.8	17.4	0.2	7.8	0.1	25.2	0.2	2.8	5.3
TENNESSEE.....											
		104,108.5	441.4	10,729.2	45.3	6,674.7	31.9	17,403.9	77.2	16.7	17.5
311	Food.....	10,883.0	39.0	574.5	1.5	151.6	0.3	726.1	1.8	6.7	4.6
312	Beverage and tobacco products.....	2,968.4	3.9	371.2	0.6	15.2	(Z)	386.3	0.6	13.0	15.4
313	Textile mills.....	1,378.0	7.8	300.1	1.4	338.2	2.0	638.3	3.5	46.3	44.9
314	Textile products.....	701.0	4.1	29.5	0.2	30.0	0.2	59.5	0.3	8.5	7.3
315	Apparel.....	1,419.1	19.6	181.6	2.6	39.1	0.5	220.8	3.1	15.6	15.8
316	Leather and allied products.....	215.5	2.3	30.3	0.3	9.8	0.1	40.1	0.5	18.6	21.7
321	Wood products.....	2,267.7	17.5	53.8	0.4	101.8	0.8	155.5	1.2	6.9	6.9
322	Paper.....	4,541.0	17.3	366.0	1.1	514.7	1.7	880.8	2.7	19.4	15.6
323	Printing and related support activities.....	2,508.4	21.6	84.6	0.7	125.2	1.1	209.7	1.8	8.4	8.3
324	Petroleum and coal products.....	1,905.7	1.3	24.4	(Z)	44.2	(Z)	68.7	(Z)	3.6	(Z)
325	Chemicals.....	10,276.5	30.7	1,606.9	6.1	1,720.9	6.1	3,327.8	12.2	32.4	39.7
326	Plastics and rubber products.....	5,871.5	34.4	448.3	2.6	463.7	2.8	912.0	5.4	15.5	15.7
327	Nonmetallic mineral products.....	2,377.6	13.4	241.6	1.4	139.1	0.8	380.8	2.2	16.0	16.4
331	Primary metals.....	4,484.9	13.8	427.5	0.9	1,052.9	3.5	1,480.5	4.4	33.0	31.9
332	Fabricated metal products.....	5,632.0	40.2	469.5	2.8	678.7	5.7	1,148.2	8.5	20.4	21.1
333	Machinery.....	9,456.9	40.9	1,140.9	5.2	294.7	1.6	1,435.6	6.8	15.2	16.6
334	Computers and electronic products.....	9,862.0	13.4	618.8	2.1	120.0	0.5	738.8	2.7	7.5	20.1
335	Electrical equipment, appliances, and components.....	3,961.7	21.5	597.8	3.2	132.4	0.8	730.2	3.9	18.4	18.1
336	Transportation equipment.....	17,714.7	56.6	2,704.6	9.3	577.9	2.3	3,282.5	11.6	18.5	20.5
337	Furniture and related products.....	2,487.4	24.0	87.0	0.9	70.4	0.7	157.4	1.6	6.3	6.7
339	Miscellaneous products.....	3,195.5	18.1	370.2	2.1	54.1	0.3	424.2	2.4	13.3	13.3
TEXAS.....											
		321,361.2	950.4	42,644.8	132.2	26,799.2	83.5	69,444.0	215.7	21.6	22.7
311	Food.....	29,282.2	92.2	2,258.6	6.0	765.8	2.1	3,024.4	8.1	10.3	8.8
312	Beverage and tobacco products.....	5,549.4	12.2	24.2	0.1	40.7	0.1	64.9	0.1	1.2	0.8
313	Textile mills.....	404.9	3.4	54.0	0.3	39.7	0.2	93.7	0.6	23.1	17.6
314	Textile products.....	832.6	9.8	35.8	0.4	18.9	0.2	54.7	0.7	6.6	7.1
315	Apparel.....	4,183.2	25.6	396.9	2.8	66.0	0.4	462.9	3.2	11.1	12.5
316	Leather and allied products.....	496.5	4.8	113.3	0.7	10.3	(Z)	123.6	0.7	24.9	14.6
321	Wood products.....	4,167.2	30.0	22.6	0.1	190.9	1.4	213.5	1.5	5.1	5.0
322	Paper.....	6,178.6	19.5	340.8	1.0	783.7	2.4	1,124.5	3.4	18.2	17.4
323	Printing and related support activities.....	5,034.7	40.1	187.2	1.5	450.3	3.6	637.5	5.1	12.7	12.7
324	Petroleum and coal products.....	59,849.2	19.2	2,745.3	0.9	2,360.2	0.8	5,105.5	1.6	8.5	8.3
325	Chemicals.....	61,252.8	78.4	11,617.1	12.9	8,484.5	9.9	20,101.6	22.8	32.8	29.1
326	Plastics and rubber products.....	10,247.9	53.9	678.5	3.6	1,209.4	6.4	1,887.9	9.9	18.4	18.4
327	Nonmetallic mineral products.....	7,959.1	36.9	259.4	1.4	341.6	1.5	600.9	2.9	7.5	7.9
331	Primary metals.....	7,663.6	25.1	1,218.8	2.6	2,680.8	7.3	3,899.6	9.9	50.9	39.4

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
TEXAS (Continued)											
332	Fabricated metal products.....	18,589.2	119.9	1,404.0	7.9	3,095.0	19.6	4,499.0	27.5	24.2	22.9
333	Machinery.....	16,485.4	83.6	4,585.3	23.5	690.3	3.8	5,275.6	27.3	32.0	32.7
334	Computers and electronic products.....	48,787.2	135.9	13,490.5	50.2	4,405.9	17.6	17,896.4	67.9	36.7	50.0
335	Electrical equipment, appliances, and components.....	4,801.3	22.6	563.4	2.6	479.8	2.4	1,043.1	5.0	21.7	22.1
336	Transportation equipment.....	20,946.1	69.4	2,093.8	9.1	494.1	2.3	2,587.9	11.4	12.4	16.4
337	Furniture and related products.....	2,530.0	27.5	96.7	1.5	24.7	0.3	121.4	1.8	4.8	6.5
339	Miscellaneous products.....	6,119.9	40.5	458.7	3.0	166.7	1.2	625.4	4.2	10.2	10.4
	UTAH.....	25,907.8	121.8	3,297.2	15.0	1,502.8	7.9	4,800.1	22.8	18.5	18.7
311	Food.....	3,822.9	14.7	103.7	0.4	30.5	0.1	134.3	0.5	3.5	3.4
314	Textile products.....	170.0	1.7	8.9	0.1	1.1	(Z)	10.0	0.1	5.9	5.9
315	Apparel.....	123.0	2.4	14.2	0.3	2.5	(Z)	16.7	0.3	13.6	12.5
321	Wood products.....	412.4	2.9	0.6	(Z)	8.6	0.1	9.3	0.1	2.3	3.4
322	Paper.....	995.7	2.8	9.6	(Z)	17.5	(Z)	27.2	0.1	2.7	3.6
323	Printing and related support activities.....	1,075.2	7.3	35.0	0.2	32.1	0.2	67.1	0.5	6.2	6.8
324	Petroleum and coal products.....	1,915.3	1.2	8.5	(Z)	67.1	(Z)	75.7	(Z)	4.0	(Z)
325	Chemicals.....	1,604.1	7.1	172.3	0.8	54.6	0.2	227.0	1.0	14.2	14.1
326	Plastics and rubber products.....	685.6	4.3	16.0	0.1	46.8	0.3	62.8	0.4	9.2	9.3
327	Nonmetallic mineral products.....	550.9	3.6	13.5	0.1	16.5	0.1	30.0	0.2	5.4	5.6
331	Primary metals.....	2,075.6	5.5	399.9	0.6	682.7	1.9	1,082.6	2.5	52.2	45.5
332	Fabricated metal products.....	1,425.8	11.8	181.4	1.4	160.4	1.9	341.8	3.3	24.0	28.0
333	Machinery.....	976.4	5.9	410.6	2.5	32.2	0.2	442.8	2.7	45.4	45.8
334	Computers and electronic products.....	2,453.5	15.7	685.4	4.2	207.3	2.2	892.6	6.4	36.4	40.8
335	Electrical equipment, appliances, and components.....	371.5	1.7	51.4	0.2	25.5	0.1	76.9	0.3	20.7	17.6
336	Transportation equipment.....	3,684.1	12.7	913.5	2.4	88.0	0.3	1,001.5	2.7	27.2	21.3
337	Furniture and related products.....	739.8	5.5	7.5	0.1	1.3	(Z)	8.8	0.1	1.2	1.8
339	Miscellaneous products.....	2,523.7	14.1	262.3	1.5	24.6	0.1	286.9	1.6	11.4	11.3
	VERMONT.....	8,925.9	45.8	3,057.1	12.3	991.2	5.3	4,048.3	17.6	45.4	38.4
311	Food.....	1,130.0	4.0	84.0	0.2	37.6	0.1	121.5	0.3	10.8	7.5
321	Wood products.....	374.5	2.9	14.9	0.1	29.6	0.2	44.5	0.3	11.9	10.3
322	Paper.....	390.0	1.8	33.8	0.2	96.8	0.5	130.6	0.6	33.5	33.3
323	Printing and related support activities.....	291.7	2.2	20.9	0.2	58.3	0.4	79.2	0.6	27.2	27.3
326	Plastics and rubber products.....	286.8	1.7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
327	Nonmetallic mineral products.....	322.9	2.3	12.2	0.1	9.3	0.1	21.5	0.2	6.7	8.7
332	Fabricated metal products.....	546.7	3.1	104.1	0.5	105.7	0.9	209.8	1.4	38.4	45.2
333	Machinery.....	596.7	3.9	79.3	0.5	57.9	0.5	137.2	1.0	23.0	25.6
334	Computers and electronic products.....	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
335	Electrical equipment, appliances, and components.....	227.7	1.2	49.7	0.3	48.2	0.2	97.9	0.5	43.0	41.7
336	Transportation equipment.....	218.8	2.2	53.4	0.4	18.6	0.1	72.0	0.4	32.9	18.2
337	Furniture and related products.....	231.1	2.9	0.6	(Z)	2.1	(Z)	2.6	(Z)	1.1	(Z)
339	Miscellaneous products.....	197.3	2.0	92.3	0.9	6.8	0.1	99.1	1.0	50.2	50.0
	VIRGINIA.....	92,874.2	327.4	10,098.2	38.8	3,972.8	18.2	14,071.0	56.9	15.2	17.4
311	Food.....	8,300.4	32.4	169.0	0.7	62.9	0.3	232.0	1.0	2.8	3.1
312	Beverage and tobacco products.....	20,185.6	10.4	796.4	0.3	58.3	(Z)	854.7	0.3	4.2	2.9
313	Textile mills.....	2,259.5	17.0	461.3	3.7	548.4	3.9	1,009.7	7.6	44.7	44.7
314	Textile products.....	692.1	5.5	52.7	0.5	22.0	0.3	74.7	0.8	10.8	14.5
315	Apparel.....	1,597.1	11.5	421.5	2.8	77.5	0.6	499.0	3.4	31.2	29.6
321	Wood products.....	3,634.6	16.7	209.2	1.0	163.8	0.8	373.0	1.8	10.3	10.8
322	Paper.....	4,347.9	14.0	436.7	1.3	454.9	1.4	891.6	2.7	20.5	19.3
323	Printing and related support activities.....	2,478.9	19.6	96.8	0.8	140.0	1.1	236.8	1.9	9.6	9.7
325	Chemicals.....	9,970.2	19.4	2,560.4	4.7	963.3	2.5	3,523.7	7.2	35.3	37.1
326	Plastics and rubber products.....	4,507.2	23.5	442.9	2.3	281.2	1.5	724.2	3.8	16.1	16.2
327	Nonmetallic mineral products.....	2,059.3	12.6	85.9	0.5	66.0	0.4	151.9	0.9	7.4	7.1
331	Primary metals.....	1,793.8	7.3	161.2	0.5	336.1	1.2	497.3	1.7	27.7	23.3
332	Fabricated metal products.....	3,535.3	22.6	241.7	1.2	208.1	1.7	449.8	2.9	12.7	12.8
333	Machinery.....	3,209.2	17.2	898.3	4.8	93.9	0.5	992.2	5.3	30.9	30.8
334	Computers and electronic products.....	8,722.8	22.1	1,419.4	6.1	168.5	0.7	1,587.9	6.8	18.2	30.8
335	Electrical equipment, appliances, and components.....	2,394.1	10.7	590.3	2.6	165.1	0.7	755.4	3.4	31.6	31.8
336	Transportation equipment.....	8,752.0	34.8	687.0	2.4	102.6	0.4	789.6	2.8	9.0	8.0
337	Furniture and related products.....	2,196.5	19.9	53.6	0.5	6.4	0.1	60.0	0.6	2.7	3.0
339	Miscellaneous products.....	1,472.8	9.5	309.7	2.0	26.3	0.2	335.9	2.1	22.8	22.1
	WASHINGTON.....	89,279.6	309.2	33,426.9	86.5	10,693.8	40.3	44,120.7	126.7	49.4	41.0
311	Food.....	10,102.3	38.3	883.7	2.8	177.3	0.5	1,061.0	3.4	10.5	8.9
312	Beverage and tobacco products.....	1,203.6	5.2	22.5	0.1	16.3	0.1	38.8	0.2	3.2	3.8
313	Textile mills.....	183.8	1.0	20.2	0.1	21.1	0.2	41.3	0.3	22.5	30.0
314	Textile products.....	130.4	1.3	28.8	0.3	12.4	0.1	41.1	0.5	31.5	38.5
315	Apparel.....	282.7	4.7	39.3	0.7	3.4	0.1	42.7	0.7	15.1	14.9
321	Wood products.....	3,873.7	17.6	463.8	2.0	261.5	1.2	725.4	3.3	18.7	18.8
322	Paper.....	4,895.0	13.5	720.0	2.1	491.1	1.3	1,211.1	3.4	24.7	25.2
323	Printing and related support activities.....	975.0	9.9	56.0	0.6	122.2	1.2	178.1	1.8	18.3	18.2

Table 4. Manufacturing Industries, Shipments and Employment Related to Manufactured Exports by State and Industry Subsector: 2001

NAICS industry code	Industry and state	Value of all manufacturers' shipments 1/ (million dollars)	All manufacturing employment 1/ (thousand)	Direct exports 2/ (million dollars)	Employment related to direct exports (thousand)	Export supporting shipments (million dollars)	Employment related to supporting shipments (thousand)	Total export related shipments (million dollars)	Total export related employment (thousand)	Export related as percent of all	
										Shipments	Employment
WASHINGTON (Continued)											
324	Petroleum and coal products.....	8,060.3	2.1	395.6	0.1	340.1	0.1	735.7	0.2	9.1	9.5
325	Chemicals.....	1,377.9	4.9	249.9	0.7	259.7	0.9	509.6	1.6	37.0	32.7
326	Plastics and rubber products.....	1,834.7	11.8	73.5	0.5	368.3	2.4	441.8	2.9	24.1	24.6
327	Nonmetallic mineral products.....	1,722.6	8.9	117.6	0.7	78.1	0.4	195.7	1.1	11.4	12.4
331	Primary metals.....	1,902.8	8.4	529.4	2.7	920.3	4.0	1,449.7	6.7	76.2	79.8
332	Fabricated metal products.....	2,572.2	20.2	124.1	0.8	809.7	7.2	933.8	8.1	36.3	40.1
333	Machinery.....	2,854.1	16.6	767.0	4.3	175.4	1.1	942.4	5.4	33.0	32.5
334	Computers and electronic products.....	8,050.4	42.5	2,436.2	13.0	1,668.8	9.1	4,105.0	22.0	51.0	51.8
335	Electrical equipment, appliances, and components.....	686.0	3.5	114.7	0.5	47.6	0.3	162.3	0.8	23.7	22.9
336	Transportation equipment.....	36,135.1	79.9	26,137.4	52.5	4,885.0	9.7	31,022.4	62.2	85.9	77.8
337	Furniture and related products.....	1,086.1	8.8	11.3	0.1	9.1	0.1	20.4	0.2	1.9	2.3
339	Miscellaneous products.....	1,320.6	10.1	224.7	1.7	26.2	0.2	250.9	1.9	19.0	18.8
WEST VIRGINIA.....											
		16,201.1	67.7	2,100.4	8.5	925.8	3.0	3,026.2	11.6	18.7	17.1
311	Food.....	703.2	4.1	2.1	(Z)	1.9	(Z)	4.1	(Z)	0.6	(Z)
312	Beverage and tobacco products.....	175.4	0.6	(W)	(Z)	(W)	(Z)	(W)	(Z)	(W)	(Z)
315	Apparel.....	116.2	1.4	10.1	0.2	1.2	(Z)	11.3	0.2	9.7	14.3
321	Wood products.....	1,357.3	8.6	123.1	0.7	34.7	0.2	157.7	0.9	11.6	10.5
323	Printing and related support activities.....	230.7	2.3	74.2	0.7	4.0	(Z)	78.3	0.8	33.9	34.8
325	Chemicals.....	5,643.5	11.7	909.8	1.9	411.3	0.9	1,321.1	2.9	23.4	24.8
326	Plastics and rubber products.....	606.4	3.8	9.8	0.1	21.1	0.1	30.9	0.2	5.1	5.3
327	Nonmetallic mineral products.....	675.8	5.3	82.5	0.7	22.2	0.2	104.6	0.9	15.5	17.0
331	Primary metals.....	2,614.1	9.2	454.1	1.4	269.9	0.9	724.0	2.3	27.7	25.0
332	Fabricated metal products.....	1,421.8	6.7	25.7	0.3	80.1	0.3	105.8	0.5	7.4	7.5
333	Machinery.....	629.5	3.7	102.5	0.6	4.3	(Z)	106.8	0.6	17.0	16.2
334	Computers and electronic products.....	99.3	1.1	26.9	0.3	3.1	(Z)	30.1	0.3	30.3	27.3
335	Electrical equipment, appliances, and components.....	137.8	0.8	21.1	0.2	5.7	(Z)	26.8	0.2	19.4	25.0
336	Transportation equipment.....	771.2	3.7	154.7	0.8	19.4	0.1	174.1	0.8	22.6	21.6
337	Furniture and related products.....	147.2	1.5	1.3	(Z)	0.5	(Z)	1.8	(Z)	1.2	(Z)
339	Miscellaneous products.....	183.5	1.4	64.4	0.6	3.5	(Z)	67.9	0.7	37.0	50.0
WISCONSIN.....											
		126,541.7	544.3	11,910.4	51.2	6,445.7	35.3	18,356.0	86.5	14.5	15.9
311	Food.....	22,392.9	61.3	806.2	2.5	290.4	0.9	1,096.6	3.4	4.9	5.5
312	Beverage and tobacco products.....	1,150.5	1.9	24.7	(Z)	7.1	(Z)	31.8	0.1	2.8	5.3
313	Textile mills.....	372.6	2.1	69.1	0.4	28.1	0.2	97.2	0.6	26.1	28.6
314	Textile products.....	231.3	2.3	3.8	(Z)	10.8	0.1	14.6	0.2	6.3	8.7
315	Apparel.....	202.7	2.5	30.6	0.4	6.4	0.1	37.0	0.4	18.3	16.0
316	Leather and allied products.....	536.1	3.3	84.3	0.6	32.8	0.2	117.1	0.8	21.8	24.2
321	Wood products.....	4,625.1	31.6	83.5	0.6	131.3	0.8	214.8	1.4	4.6	4.4
322	Paper.....	13,056.4	37.5	602.2	1.8	722.9	2.0	1,325.1	3.8	10.1	10.1
323	Printing and related support activities.....	4,898.6	40.1	248.6	2.0	148.2	1.2	396.8	3.2	8.1	8.0
325	Chemicals.....	5,872.6	12.3	395.8	1.4	394.7	1.4	790.5	2.8	13.5	22.8
326	Plastics and rubber products.....	5,811.9	32.8	392.6	2.2	490.9	2.8	883.5	5.0	15.2	15.2
327	Nonmetallic mineral products.....	2,348.8	11.2	50.4	0.4	100.8	0.5	151.2	0.9	6.4	8.0
331	Primary metals.....	3,804.5	24.0	74.3	0.4	848.7	5.2	923.0	5.6	24.3	23.3
332	Fabricated metal products.....	10,371.7	71.8	585.5	3.6	1,218.7	10.0	1,804.2	13.6	17.4	18.9
333	Machinery.....	15,863.9	75.9	3,723.3	16.5	793.4	3.8	4,516.7	20.3	28.5	26.7
334	Computers and electronic products.....	5,151.8	22.4	1,238.2	4.6	297.2	1.8	1,535.4	6.4	29.8	28.6
335	Electrical equipment, appliances, and components.....	7,021.6	31.2	1,290.4	5.9	355.4	1.7	1,645.8	7.6	23.4	24.4
336	Transportation equipment.....	17,497.9	43.7	1,770.8	4.9	459.6	1.9	2,230.5	6.8	12.7	15.6
337	Furniture and related products.....	2,217.2	18.7	69.7	0.6	13.5	0.1	83.2	0.7	3.8	3.7
339	Miscellaneous products.....	2,641.4	17.5	360.2	2.4	79.9	0.5	440.1	2.9	16.7	16.6
WYOMING.....											
		3,834.9	9.0	159.2	0.3	45.2	0.1	204.4	0.3	5.3	3.3
321	Wood products.....	121.2	1.1	0.3	(Z)	0.3	(Z)	0.6	(Z)	0.5	(Z)
325	Chemicals.....	1,024.6	1.1	113.9	0.1	30.0	(Z)	143.9	0.1	14.0	9.1
333	Machinery.....	219.6	1.0	7.2	(Z)	0.3	(Z)	7.5	(Z)	3.4	(Z)

D Withheld to avoid disclosing data for individual companies. W Withheld because estimate did not meet publication standards based on a consistency review.

Z Less than 50 employees.

1/Source: 2001 Annual Survey of Manufactures.

2/Source: 2001 Foreign Trade Statistics (Census Bureau unpublished data).

Note: Detail rows and columns may not add to totals due to independent rounding.